

19970709.qrp qrp-por0.781
>From owner-qrp-l@Lehigh.EDU Tue Jul 8 18:04 CDT 1997
>Received: from sco.theporch.com (sco.theporch.com [207.234.31.38])
> by uro.theporch.com (8.8.7.Beta1/A-UX-3.1.1) with ESMTP id SAA06371
> for <shimshon@uro.theporch.com>; Tue, 8 Jul 1997 18:04:01 -0500 (CDT)
>Received: from fidoii.CC.lehigh.EDU (fidoii.CC.lehigh.EDU [128.180.1.4])
> by sco.theporch.com (8.8.7.Beta1/SCO-5.0.2) with ESMTP id XAA01576
> for <shimshon@theporch.com>; Tue, 8 Jul 1997 23:03:48 GMT
>Received: from Lehigh.EDU ([127.0.0.1]) by fidoii.cc.Lehigh.EDU with SMTP id
<35143-50608>; Tue, 8 Jul 1997 19:03:25 -0400
>Date: Tue, 8 Jul 1997 19:03:18 EDT
>Sender: owner-qrp-l@Lehigh.EDU
>Precedence: bulk
>From: qrp-l@Lehigh.EDU
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: QRP-L digest 781
>Mime-Version: 1.0
>Content-Type: text/plain; charset=us-ascii
>X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN
>Message-Id: <97Jul8.190325edt.35143-50608+122@fidoii.cc.Lehigh.EDU>
>Status: 0

QRP-L Digest 781

Topics covered in this issue include:

- 1) [22658] Re: Advance Training
by Joe Gervais <vole@primenet.com>
- 2) [22659] Pixie, Thoreau, QRO
by MNHopkins@aol.com
- 3) [22660] Cost of Vanity Calls
by Ed Loranger <we6w@qsl.net>
- 4) [22661] Re: Pixie, Thoreau, QRO
by Monte Stark <ku7y@sage.dri.edu>
- 5) [22662] QRP Operator Discovered!
by Ed Loranger <we6w@qsl.net>
- 6) [22663] Re: Pixie, Thoreau, QRO
by w4bws@juno.com (Donald E Sanders)
- 7) [22664] Re: Cost of Vanity Calls
by Richard Wilkerson <richqrp@cts.com>
- 8) [22665] Belgium made Velleman-Kits
by n4so@juno.com
- 9) [22666] Re: QRP Operator Discovered!
by w4bws@juno.com (Donald E Sanders)
- 10) [22667] Advance Training
by mark.milburn@arbbs.com (Mark)
- 11) [22668] Re: Cost of Vanity Calls
by w4bws@juno.com (Donald E Sanders)

- 12) [22669] Why QRP? Poor antennas are valuable!
by Jim W7LS <w7ls@brigadoon.com>
- 13) [22670] AA5EA QSL? es 3o M QRP-L Calling freq.?
by W3GX@aol.com
- 14) [22671] Mobile Antenna for a pickup truck.
by "Ron Polityka" <wb3aal@talon.net>
- 15) [22672] IC needed!
by Sandy W5TVW <ebjr@worldnet.att.net>
- 16) [22673] Re: Cost of Vanity Calls (CHEAP, Really!!)
by wb2vuo@juno.com (William K Hibbert)
- 17) [22674] Re: Pixie, Thoreau, QRO
by k7sz@juno.com (Richard H. Arland)
- 18) [22675] Re: KPH, WCC et al
by "Matt Wright, AE4JM" <cnw@HiWAAY.net>
- 19) [22676] Re: Pixie, Thoreau... PEN, SWORD,
by SEAB&SHARON LYON <SSLYON@worldnet.att.net>
- 20) [22677] AA5EA QSL? es 3o M QRP-L Calling freq.?
by "Wilford D. Lindsey" <70511.3041@CompuServe.COM>
- 21) [22678] Re: Cost of Vanity Calls (CHEAP, Really!!)
by mdwatt@usit.net (Marty Watt)
- 22) [22679] Re: KPH, WCC et al
by mdwatt@usit.net (Marty Watt)
- 23) [22680] Spartan Sprint Results
by Brian Kassel <bkassel@dancris.com>
- 24) [22681] Want manual for Heath noise bridge, please
by Jim W7LS <w7ls@brigadoon.com>
- 25) [22682] N7VOE's Chirpy, Clunky Drifty 38S
by ka7you@juno.com
- 26) [22683] More pixie 2 results (dx, even!)
by Jim W7LS <w7ls@brigadoon.com>
- 27) [22684] Re: Why QRP? Poor antennas are valuable!
by Joe Gervais <vole@primenet.com>
- 28) [22685] Re: Pixie, Thoreau, QRO
by Alan Kaul <kaul@netcom.com>
- 29) [22686] Re: Pixie, Thoreau, QRO
by Wayneb1103@aol.com
- 30) [22687] bandpass filter software needed
by "Karl-Heinz Merscher" <Karl-Heinz.Merscher@stud.uni-bayreuth.de>
- 31) [22688] Re: Pixie, Thoreau, QRO
by Bill Todd <bill@techline.com>
- 32) [22689] building a 3.3 GHz transmitter to hook 2 a 3.3 GHz reciever ??
by kc7pxt@casagrande.com (Dallas J. Chapman)
- 33) [22690] Re: Cost of Vanity Calls (CHEAP, Really!!)
by Arjen Raateland <Arjen.Raateland@vyh.fi>
- 34) [22691] ZF2DE/8 Little Cayman
by Bob Patten <n4bp@shadow.net>
- 35) [22692] Steve Weber's Spec. Anal.
by "j. b. fox" <w5hir@mail.phoenix.net>

- 36) [22693] WCC not dead yet!
by Peter_Simpson@3com.com
- 37) [22694] Re: AA5EA QSL? es 3o M QRP-L Calling freq.?
by Chris Cartwright <ccart@dns.vidtel.com>
- 38) [22695] Re: bandpass filter software needed
by Bob Liesenfeld <wb0poq@visi.com>
- 39) [22696] NF3I/5 a bust in MS
by Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
- 40) [22697] Re: Pixie, Thoreau, QRO
by Bradley Mitchell <wb8ygg@rocketmail.com>
- 41) [22698] RE: Argo 509 FS
by ac5am@juno.com (Robert L Stolzle)
- 42) [22699] Special Event Reminder
by ab5uacw@juno.com (Clifton W Sikes)
- 43) [22700] Re: bandpass filter software needed
by Chris Trask <ctrask@primenet.com>
- 44) [22701] Mars communications info pages
by Bill Howell <bhowell@mail.utexas.edu>
- 45) [22702] Re: Help found for EMTECH NW40
by jayboy@empnet.com (Jay & Jackie)
- 46) [22703] some trap graphs
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 47) [22704] [v31xe@dzn.com: mobile]
by af852@rgfn.epcc.Edu (William R Colbert)
- 48) [22705] Spartan Sprint Results
by tgordish@concentric.net
- 49) [22706] HamCalc version 28 available
by Jim Eshleman <lujce@hooch.cc.Lehigh.EDU>
- 50) [22707] 20m goes nuts - Anyone else notice?
by Joe Gervais <vole@primenet.com>
- 51) [22708] Re: installation Help - coax -
by "Claton Cadmus" <aplitech@spacestar.net>
- 52) [22709] Re: installation Help - coax -
by K5BDZ@aol.com
- 53) [22710] WWWV Clock collectors -- A New One!
by "Bob Follett" <bfollett@ditell.com>
- 54) [22711] Re: N7VOE's Chirpy, Clunky Drifty 38S
by FAITHD@dnr.state.wi.us (Don C. Faith III, AM/7, \ (608\) 267-3135)
- 55) [22712] Re: MI-QRP 4th of July Sprint Logs
by Ed Loranger <we6w@qsl.net>
- 56) [22713] re: LET THE FLAME WARS BEGIN OR NOT
by QLF%mimi@magic.itg.ti.com
- 57) [22714] coil info
by "Thomas J. Whalen" <whalen@swcp.com>
- 58) [22715] RE: ICM7216D
by Sandy W5TVW <ebjr@worldnet.att.net>
- 59) [22716] RE: Pixie, Thoreau, QRO
by "Ed Manuel" <n5em-qrp@msn.com>

- 60) [22717] Re: Belgium made Velleman-Kits
by "Marshall Emm" <mgemm@mtechnologies.com>
- 61) [22718] RE: "Renewal" batteries
by "Dean T. Miller" <dtmiller@dsmnet.com>
- 62) [22719] Attending Norcal July meeting
by Alan Kaul <kaul@netcom.com>
- 63) [22720] Hamstick mobile
by jfitton@lucent.com
- 64) [22721] Re: MI-QRP 4th of July Sprint Logs
by Ed Loranger <we6w@qsl.net>
- 65) [22722] RE: "Renewal" batteries
by "Dave Maliniak" <dmaliniak@penton.com>
- 66) [22723] Homebrew Plastic Enclosures
by Bill Jones <kd7s@psnw.com>
- 67) [22724] Re: Belgium made Velleman-Kits
by Bradley Mitchell <wb8ygg@rocketmail.com>
- 68) [22725] vfo for Pixie ???
by Jim W7LS <w7ls@brigadoon.com>
- 69) [22726] Re: Micronaut and K8IDN's new receiver
by Raventhorne <jelder@ix.netcom.com>
- 70) [22727] Re: Belgium made Velleman-Kits
by Kory Hamzeh <kory@avatar.com>
- 71) [22728] Re: Pixie, Thoreau, QRO
by launerb@crl.com (William H. Launer)
- 72) [22729] Re: Belgium made Velleman-Kits
by "Bruce Barley" <lbbbarley@feist.com>
- 73) [22730] Re: Belgium made Velleman-Kits
by Ed Loranger <we6w@qsl.net>
- 74) [22731] Re: Belgium made Velleman-Kits
by Scott Cranston <cranston@zk3.dec.com>
- 75) [22732] INFO: 6m J w/ 300 twinlead
by Niel Skousen <nskousen@scientech.com>
- 76) [22733] Re: Belgium made Velleman-Kits
by Joe Gervais <vole@primenet.com>
- 77) [22734] Re: INFO: 6m J w/ 300 twinlead
by Ed Loranger <we6w@qsl.net>
- 78) [22735] Kent Twin Paddles kit
by Mike Robinson <miker@comlinear.nsc.com>
- 79) [22736] 10m J-POLE
by Joel Malman <malman@BBN.COM>
- 80) [22737] FS teflon hookup wire
by "J. Skalski" <jskalski@acsu.buffalo.edu>
- 81) [22738] GD3VMW/p on 10.101
by n4js@amsat.org
- 82) [22739] Re: GD3VMW/p on 10.101
by Monte Stark <ku7y@sage.dri.edu>

Date: Mon, 7 Jul 1997 16:28:59 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: bmug@gwl.com
Cc: qrp-l@Lehigh.EDU
Subject: [22658] Re: Advance Training
Message-ID: <199707072328.QAA10056@usr03.primenet.com>

Brad wrote:

>
> Does anyone out there know where I can get some "free ware" training
> software for the new Advance license (I know its out there, I got one off
> an old QRZ CD ROM)?

Try:

<<http://w5ac.tamu.edu/ham-exam-v2/ham-exam.html>>

Generates and grades practice tests for you. Used it when I was reviewing for Advanced and Extra, really helped me figure what areas I needed to work on.

Good luck!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It's all part of the Military-Industrial-Entertainment Complex." -The X-Files

Date: Mon, 7 Jul 1997 19:51:44 -0400 (EDT)
From: MNHopkins@aol.com
To: QRP-L@Lehigh.EDU
Subject: [22659] Pixie, Thoreau, QRO
Message-ID: <970707195143_-991121767@emout05.mail.aol.com>

Great to find mention of Pixies and such in the gathering sea of Sierras et als. Looked for a while as if technological elaboration would triumph outright, but this atavistic urge to Minimalism seems to say we have learned something about Thoreau.

Could our next conceptual hurdle be Effective Radiated Power? Do we really think 4.5 W to a 5-wavelength vee is QRP within the

docrinaire 5W out definition?

ab5l, QRP ARCI #4400,
G-QRP #669

Date: Mon, 07 Jul 1997 17:18:40 -0700
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [22660] Cost of Vanity Calls
Message-ID: <33C18760.4139@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

In case you missed it: Vanity cost is definately
NOT QRP! -Ed

William K Hibbert wrote:

>
> >From packet radio (NG2P DXCluster)
>
> SB QST @ ARL \$ARLB037
> ARLB037 Vanity Gate 3 Part 1
>
> ZCZC AG37
> QST de W1AW
> ARRL Bulletin 37 ARLB037
> >From ARRL Headquarters
> Newington CT July 3, 1997
> To all radio amateurs
>
> SB QST ARL ARLB037
> ARLB037 Vanity Gate 3 Part 1
>
snip....

> The August 6 deadline squeaks under the implementation of the FCC's
> new fiscal year 1997 fee schedule, adopted June 16. Under the FY 97
> schedule, which becomes effective September 16, 1997, the vanity
> application fee will jump to 50 dollars a year.

.....Snip.....

>
> The bottom line is that hams applying for a vanity call sign on or
> after September 15 must pay the 50 dollar fee.

....Snip.....

>
> If you file a paper application, remember that legibility is
> critical. If your application is not able to be deciphered easily by
> FCC personnel, you could experience a delay in processing, lose the
> opportunity to obtain a requested call sign or even obtain a call
> sign different from what you want. Be sure to include your current
> Amateur Radio call sign on your vanity application.
> NNNN
.....snip.....
>
> I hope the \$50 a YEAR is a misprint in ARLB 037. It is given as a \$50
> application fee elsewhere in the text. Anyone know for sure?
>
> 72/73, Keith, WB2VU0, QRP-L #582, scQRP 40, 100% QRP
ME TOO!

-Ed Loranger

--

72/73 de we6w, Ed Loranger CW ONLY!

WEB:<http://www.qsl.net> MAIL:<mailto:we6w@qsl.net>

HW-8, OHR-100, JV-II w/vfo, pixie2, Phased Verticals Southeast.

Date: Mon, 7 Jul 1997 17:21:49 -0700 (PDT)
From: Monte Stark <ku7y@sage.dri.edu>
To: MNHopkins@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [22661] Re: Pixie, Thoreau, QRO
Message-ID: <Pine.SUN.3.90.970707165842.16897A-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 7 Jul 1997 MNHopkins@aol.com wrote:

*****snip*****

> Could our next conceptual hurdle be Effective Radiated Power?
> Do we really think 4.5 W to a 5-wavelength vee is QRP within the
> doctrinaire 5W out definition?

Some have mentioned using poor antennas along with low power. I fail to see the logic in this. Most of us have had to use poor antennas at one time or another.

To move this to it's ending point would be to run zero power into

no antenna! The point in QRP is to do the best you can with a limited amount of power.

Why should someone be encouraged to be inefficient?

If you were to use ERP as the measuring stick, would running 5KW into a very poor antenna that gave the magic ERP number be QRP??

The way it is, at a given power level, you are rewarded for going to the work of having a more efficient antenna.

I also fail to see what is wrong with that!

I don't see anything wrong with using your ERP to compete with others who also use a measured ERP. I just don't think ERP has any place in the QRP limits.

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Mon, 07 Jul 1997 17:31:33 -0700
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [22662] QRP Operator Discovered!
Message-ID: <33C18A65.51F4@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

So Saturday AM I'm just finishing my WSN qrp net.

Elderly lady walks up to to our garage door my son just opened to get the lawn mower. I'm dressed in QRP clothes, just shorts, no socks/shirt, hair standing up....

More coffee please!

Anyway she says: "I saw your antennas and called all around asking how to get a ham license" I had over the ARRL field day package and explain I'm CW only and if she's getting inter-

ference, it's not me! "No, my son in Elko, NV needs a hobby, and I want to work him too". Oh, I've worked Elko before on 1.5 watts. I only work QRP er, low power under 5 watts --- we must be more efficient at these levels.

Well I give her the grand tour and show her how I change bands. She's pretty interested and actually listens! (I've got a new friend! God Mother??)

Anyway, I end up demonstrating my antenna expertese and now she's got excellent TV reception in all rooms of her house. A new mast-mounted amplifier, and 75 ohm load on the unused splitter port.

Everythings FB and she gives me \$20 and 3 spools of wire left behind by her SK husband. 12AWG, fuel proof about 400ft and 250ft of 16AWG Heater wire with a 800V rating. Not bad, I love wire.

Expect she'll be getting the Morse code traing CD's mentioned on K5FO's site!

Thought you'd all like to hear this little story.

-Ed

--

72/73 de we6w, Ed Loranger CW ONLY!

WEB:<http://www.qsl.net> MAIL:<mailto:we6w@qsl.net>

HW-8, OHR-100, JV-II w/vfo, pixie2, Phased Verticals Southeast.

Date: Mon, 07 Jul 1997 20:51:17 EDT

From: w4bws@juno.com (Donald E Sanders)

To: MNHopkins@aol.com

Cc: qrp-1@Lehigh.EDU

Subject: [22663] Re: Pixie, Thoreau, QRO

Message-ID: <19970707.205904.2119.0.W4BWS@juno.com>

Good Gosh, next thing you know we will have to have a peak reading wattmeter at the antenna input to measure QRP output and an antenna pattern to qualify the effective radiated power at the far field in both H and E planes. Come to think about it, isn't that something like the new regs on RF polution into your neighbors dariere.

Just at 5 watts instead of at 50 or more.

I can see a new SLV antenna using a wet string and 100 watts for an effective ERP of 5 watts or less. Well I had several QSOs using the Heath cantenna because dummy me forgot to check the antenna switch.

Don W4BWS

On Mon, 7 Jul 1997 19:51:44 -0400 (EDT) MNHopkins@aol.com writes:

>
> Great to find mention of Pixies and such in the gathering sea
>of Sierras et als. Looked for a while as if technological
>elaboration would triumph outright, but this atavistic urge to
>Minimalism seems to say we have learned something about Thoreau.
>
> Could our next conceptual hurdle be Effective Radiated Power?
>Do we really think 4.5 W to a 5-wavelength vee is QRP within the
>doctrine 5W out definition?
>
>ab5l, QRP ARCI #4400,
>G-QRP #669
>
>

Date: Mon, 07 Jul 1997 17:57:54 -0700
From: Richard Wilkerson <richqrp@cts.com>
To: qrp-1@Lehigh.EDU
Subject: [22664] Re: Cost of Vanity Calls
Message-ID: <33C19092.145D@cts.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

In case you missed it: Vanity cost is definately
NOT QRP! -Ed

the vanity application fee will jump to 50 dollars a year.

Why, Why would anyone **PAY** for something we all received
free??????????

--
72's..... Rich
Rich Wilkerson, WD6FDD, Santee, Ca.
NorCal, ARCI, ScQRPions, E.C.R.A.
Boatanchors

Date: Mon, 07 Jul 1997 20:58:33 EDT

From: n4so@juno.com
To: qrp-1@Lehigh.EDU
Subject: [22665] Belgium made Velleman-Kits
Message-ID: <19970707.205503.5215.2.N4S0@juno.com>

Received a catalog in the mail Saturday selling Belgium made Velleman-Kits.

A wide range of kits are pictured -- Super Mini 2.5W Audio Amplifier, Universal

Power Supply 5-14 vdc, 1 amp, and another power supply adjustable from 5 -35vdc.

The company is:

Tech America

P O Box 1981

Forth Worth, TX 76101

1-800-877-0072

The company sells component parts, NiCd batteries, and a variety of ham-related equipment/accessories.

Ken Brown , N4S0

QTH: Nr Mobile, AL

QRP-L #622

n4so@juno.com

Date: Mon, 07 Jul 1997 21:07:20 EDT
From: w4bws@juno.com (Donald E Sanders)
To: we6w@qsl.net
Cc: qrp-1@Lehigh.EDU
Subject: [22666] Re: QRP Operator Discovered!
Message-ID: <19970707.211548.2119.1.W4BWS@juno.com>

Is 12AWG good for QRP? Sounds like the basis for that 9 DB qrp antenna. Lets see, radiation effeciency is proportional to the admittance of the conductor, and 12 AWG is about 8 times greater than 18 AWG, so there that would be about 9 db gain using the large conductor. You should be able to sell a bunch of those for 27 Mhz use.

Don W4BWS

On Mon, 07 Jul 1997 17:31:33 -0700 Ed Loranger <we6w@qsl.net> writes:

>So Saturday AM I'm just finishing my WSN qrp net.

>

>Elderly lady walks up to to our garage door my son just

>opened to get the lawn mower. I'm dressed in QRP clothes,

>just shorts, no socks/shirt, hair standing up....

>

>---snip---!

>

>Everything's FB and she gives me \$20 and 3 spools of wire left
>behind by her SK husband. 12AWG, fuel proof about 400ft and
>250ft of 16AWG Heater wire with a 800V rating. Not bad, I love
>wire.

>

>We6w, Ed Loranger CW ONLY!

>WEB:<http://www.qsl.net> MAIL:<mailto:we6w@qsl.net>

>HW-8, OHR-100, JV-II w/vfo, pixie2, Phased Verticals Southeast.

>

>

Date: Mon, 07 Jul 1997 23:40:00 -0320

From: mark.milburn@arbbs.com (Mark)

To: qrp-1@Lehigh.EDU

Subject: [22667] Advance Training

Message-ID: <f007.5138.-1@arbbs.com>

> Does anyone out there know where I can get some "free ware" training
> software for the new Advance license (I know its out there, I got one off
> an old QRZ CD ROM)? I have the book but I prefer taking the tests during
> lunch on my computer. I used this for my novice & tech tests and it
> worked great. I didn't have it for my General test and if it wouldn't
> have been for this group it would have been a lot harder test (missed 3
> questions without any real studying, Thanks Guys and Gals for the
> education).

>

> Looking at the Advance test there is a lot more to know so the pre tests
> would help.

Try this:

>From "Handi Ham World" newsletter, Spring 1997 issue...

The AA9PW Amateur Exam practice pages will generate tests for you if you
have an Internet connection, or even just Internet e-mail. The URL is;

<http://www.biochem.mcw.edu/postdocs/simon/radio/exam.html>

Alternatively, you may request exams directly by e-mail. Send an e-mail
to exams@eeyore.biochem.mcw.edu with the line

generate (exam)

Good luck.

KQOI @ WOAK.#CIA.IA.USA.NOAM E-mail: mark.milburn@arbbs.com
ARRL-DMRAA-QRP-L #625-NORCAL #1829-ARS #139-NW QRP #418-QRP ARCI #9226
WIMPS: QSOS=18,(30M=18,17M=00,12M=00), STATES=13, PROVINCES=00, DX=01

[illegible] $\wedge \wedge$

That's what is known as vanity!!!!!!!
Don W4BWS
On Mon, 07 Jul 1997 17:57:54 -0700 Richard Wilkerson <richqrp@cts.com>
writes:
>In case you missed it: Vanity cost is definately
> NOT QRP! -Ed
>
> the vanity application fee will jump to 50 dollars a year.
>
> Why, Why would anyone **PAY** for something we all received

>free??????????

>

>

>--

> 72's..... Rich

>Rich Wilkerson, WD6FDD, Santee, Ca.

> NorCal, ARCI, ScQRPions, E.C.R.A.

> Boatanchors

>

>

Date: Mon, 7 Jul 1997 18:16:16 -0700 (PDT)

From: Jim W7LS <w7ls@brigadoon.com>

To: qrp-1@Lehigh.EDU

Subject: [22669] Why QRP? Poor antennas are valuable!

Message-ID: <199707080116.SAA10175@siskiyou.brigadoon.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Here's why qrp and poor antennas are valuable. For portable and emergency work, you put up the best antenna you can in the shortest amount of time, which translates into a poor antenna, compared to towers, etc.

If you use QRO power, your batteries die quickly. End of communications. I can take a handfull of equipment, which includes an antenna, sling it up in a few minutes, and work zero to a hundred miles for a weekend, batteries included. Can't accomplish that with qro and good antennas. In fact, local 0-100 mile communications uses NVIS propagation down on 80, which uses low LOW antennas.

See? The perfect marriage. QRP and cheap, low antennas!

73 de Jim, W7LS

Date: Mon, 7 Jul 1997 21:46:06 -0400 (EDT)

From: W3GX@aol.com

To: qrp-1@Lehigh.EDU

Subject: [22670] AA5EA QSL? es 3o M QRP-L Calling freq.?

Message-ID: <970707214605_-57711949@emout06.mail.aol.com>

I almost got AA5EA this evening in the middle of some QRM on 30 M, running at 4 watts.

BTW would someone tell me again the official or unofficial QRP-L Calling Freq. on 30 M, or where most of the list members with 30 M rigs hang out between 5:30 PM and 10:00 PM Eastern Time?

TNX es gud 30 M hunting
72 de W3GX
John Foote

BTW(2) Let me also say the MI QRP 4th Sprint was very enjoyable. Can we do it again next week (hi hi)?

Date: Mon, 7 Jul 1997 21:54:10 -0400
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [22671] Mobile Antenna for a pickup truck.
Message-ID: <199707080155.VAA19082@pelican.talon.net>
MIME-Version: 1.0
Content-Type: multipart/alternative; boundary="-----
=_NextPart_000_01BC8B20.4D27CE80"
Content-Transfer-Encoding: 7bit

This is a multi-part message in MIME format.

-----=_NextPart_000_01BC8B20.4D27CE80
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hello to everyone and thanks for reading this message. I am wondering if anyone that has a small pickup truck with a cap on the back goes mobile hf. What kind of an antenna do you use and how tall is it?

73 & Good DXing
Ron de WB3AAL

wb3aal@talon.net

OWL's Radio Club

QRP # 5318	PA QSO Party 1996 Small Club Gavel
G-QRP # 3031	PA QSO Party 1996 Active Member, High
10-10 # 13173	Average Aggregate Award
QRP-L # 1099	

-----=_NextPart_000_01BC8B20.4D27CE80
Content-Type: text/html; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

Date: Mon, 07 Jul 1997 22:20:25 EDT
From: wb2vuo@juno.com (William K Hibbert)
To: qrp-1@Lehigh.EDU
Subject: [22673] Re: Cost of Vanity Calls (CHEAP, Really!!)
Message-ID: <19970707.221909.2063.0.wb2vuo@juno.com>

----- Begin forwarded message -----
From: w4bws@juno.com (Donald E Sanders)
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: Re: Cost of Vanity Calls
Date: Mon, 07 Jul 1997 21:13:58 EDT
Message-ID: <19970707.212200.2119.2.W4BWS@juno.com>
References: <19970704.143237.2063.0.wb2vuo@juno.com>
<33C18760.4139@qsl.net>

That's what is known as vanity!!!!!!!
Don W4BWS
On Mon, 07 Jul 1997 17:57:54 -0700 Richard Wilkerson <richqrp@cts.com>
writes:
>In case you missed it: Vanity cost is definately
> NOT QRP! -Ed
>
> the vanity application fee will jump to 50 dollars a year.
>
> Why, Why would anyone **PAY** for something we all received
>free??????????
>
>
>--
> 72's..... Rich
>Rich Wilkerson, WD6FDD, Santee, Ca.
> NorCal, ARCI, ScQRPions, E.C.R.A.
> Boatanchors
>
>

----- End forwarded message -----

I got overly efficient (???) and already deleted the file, but the ARRL printed (in the ARRL Letter) a correction. The fee will increase to \$50 for the >>10 Year<< license, and the \$50 application fee will be required upon application this September.

Now, when I got my Tech in 1966, the fee was \$4.50 for 5 years. It rose to \$9.00 the next year, and I tossed the FCC \$9.00 per try for the General test in 1966/67 (3 tries!) and STILL didn't pass the 13 WPM. Another \$9.00 in 1972 for the Conditional test (I was deployed to the Med, and couldn't convince the Squadron to stop in Boston on a day that testing was being conducted...)

The fee was dropped by the time I took the Advanced, but all 3 of my tries for the Extra cost the VE fee. The \$30 I put out to retrieve my "lost" call in 1996 was a good investment. I would have paid the \$75 that was originally proposed, wouldn't even have thought hard about it...

How much do YOU pay for ARRL membership, a YEAR??? Or, say, your subscription to CQ, Smithstonian, Birders Digests, Astronomy, Sky & Telescope, Popular Mechanics, etc...

Amateur Radio is a CHEAP HOBBY, especially when compared to other part-time endeavours. The renewal is free, but one should expect to cover the administrative costs when initially acquiring a ticket, or upgrading. Maybe the "FCC Info Line" should be a 1-900 number, and bring the "Free Service" back into perspective.

Now, I don't need to see posts, flames or what-have-you about Hams in general being a bunch of cheap whatever's. I have discovered that at almost any hamfest & fleamarket I have attended in the last 3 decades. That horse is DEAD, so stop beating it...

72/73, Keith, WB2VUO, QRP-L #582, scQRP 40, 100% QRP
Tech Specialist (ARRL/WNY), ARRL Life Member,
Trustee, NQ2RP/B 10 Mtr QRP Beacon (QRP @ 28.287 MHz)
"In the Depths of the Great Bergen (NY) Swamp...FN13ac"
Packet - wb2vuo@w2im.#wny.ny.usa.noam *** Email - wb2vuo@juno.com
SnailMail - CBA *** Phone - 716.494.1239

"My Night Light runs more power than my Rig!!!"

Date: Sat, 5 Jul 1997 04:46:01 utc
From: k7sz@juno.com (Richard H. Arland)
To: ku7y@sage.dri.edu
Cc: qrp-l@Lehigh.EDU
Subject: [22674] Re: Pixie, Thoreau, QRO
Message-ID: <19970705.044950.4663.3.k7sz@juno.com>

On Mon, 7 Jul 1997 17:21:49 -0700 (PDT) Monte Stark <ku7y@sage.dri.edu> writes:

>On Mon, 7 Jul 1997 MNHopkins@aol.com wrote:

>

>

>*****snip*****

>

>> Could our next conceptual hurdle be Effective Radiated Power?
>> Do we really think 4.5 W to a 5-wavelength vee is QRP within the
>> doctrinaire 5W out definition?

Ya' know, I get REAL tired of hearing this argument. QRP (as in low power communications) refers to P-O-W-E-R, RF power to be specific, not Effective Radiated Power (ERP). We measure our power output to insure that we comply with established guidelines for QRP. Its that simple.

There are those within the QRP facet who would try to make others within the hobby feel guilty about using high gain, efficient antenna systems with our QRP rigs. Our ERP might be on the order of 20 to 50 watts, depending upon what type of gain antenna we employ. I don't know whether this attitude results from jealousy, sour grapes, or what, but I, for one get darned tired of trying to justify why I erected a tower and beam.

ATTENTION! I did it because I want to be heard! I want to have a LOUD QRP signal. I want to run with the big dogs and not sit on the porch. I want to put the best signal on the air that I possibly can.

REVELATION #1: the playing field never has been, is not now or ever will be level. When we decide to practice QRP we give up between 13 and 20 dB of RF power advantage. That is a fact of physics. QRP signals will be at reduced signal levels when compared to 100 or 1500 watt stations over the same path under identical propagation conditions.

If you want to handicap yourself by using underground antennas from inside a cave while running your rig on a battery charged by a waterwheel in a small stream inside the cave, be my guest. Just don't condemn me for having an efficient station.

As KU7Y stated earlier:

>Some have mentioned using poor antennas along with low power. I fail
>to see the logic in this. Most of us have had to use poor antennas
>at one time or another.

I for one have used more than my fair share of poor antennas. I still had fun but yearned for the day when I could put up a big tower and a high performance yagi. That day has arrived and I LOVE my antenna system!

To critisize me or someone like Randy Rand, AA2U, who uses a set of phased KT-34XAs on a 90 ft tower, or others who run big antennas while using QRP is silly. While using QRP power levels helps reduce the RF polution on the planet, using highly efficient (high gian) antennas helps us accomplish more with less power. Everyone wins.

73 rich K7SZ

Date: Mon, 7 Jul 1997 21:46:59 -0500 (CDT)
From: "Matt Wright, AE4JM" <cnw@HiWAAAY.net>
To: Marty Watt <mdwatt@usit.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [22675] Re: KPH, WCC et al
Message-ID: <Pine.OSF.3.94.970707213629.9696E-100000@fly.HiWAAAY.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> That guy, which you're probably too young to know about, is Michael
> Palin, formerly of the comedy troupe "Monty Python's Flying Circus",
> and a rather big star! The BBC produced his trip some years back --
> he also has re-created "Around the World in 80 Days" on video as
> well.

Hey Marty,

You're right, I haven't ever heard of him but I sure like that type of
thing, mountaineering, radio, cold temps, that just gets me going Marty!
I wonder how much that video is?

> Probably using commercial utility frequencies for world-wide news
> gathering and dissemination (the BBC, Reuters, and others have
> numerous HF frequencies).

What are Reuters? That would be neat to get ahold of those HF frequencies
for this type of stuff.

> These are all commercial message systems ...

Okay, I just didn't understand the purpose of these stations. Some would
send RTTY or data and then CW call letters like 3 letters or something.

> Best bet from Antarctica is the military frequencies.

Yes, I need to get some of those military frequencies, any good ideas about
some good sources Marty, Gang?

> My dad has a card from the amateur station on Antarctica, but it's
> several years old now.

Does he want to sell it? :^)

Just kidding! I can handle that Marty, I think that I have Popular
Communications, I'll look.

Date: Tue, 8 Jul 1997 02:44:55 +0000
From: SEAB&SHARON LYON <SSLYON@worldnet.att.net>
To: qrp-1@Lehigh.EDU
Subject: [22676] Re: Pixie, Thoreau... PEN, SWORD,
Message-ID: <19970708024453.AAA7851@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Date: Mon, 07 Jul 1997 21:38:56
>To: MNHopkins@aol.com
>From: SEAB&SHARON LYON <SSLYON@worldnet.att.net>
>Subject: Re: Pixie, Thoreau... PEN, SWORD,
>
>YESSSSsssss.... IT ISSSZZZZ!!! IMNSHO, the very best ant. one can
>manage in his/her circumstance is the one that expresses:
>* current awareness/intrest;
>* time/resource product;
>* creativity quotient;
>
>At age 12, nearly half a century ago.... (that's the first time I
>ever realized or wrote that!!) I took great pride in escaping farm chores
>long enough to build a one-tube (valve) battery powered RX. A 30'
>piece of wire was sufficient to provide a peek at the thrilling world
>through the radio keyhole. A school chum and ARRL pubs revealed secrets
>of high-performance wire that would expand my horizons to dreamy distances.
>Sure enough, 600' of bell wire to a "pre-selector" (tuner) and a GOOD
>ground, (earth), brought me the exotica that has kept the flame burning
>to this very moment. Further developments validated the antenna effort
>and I must opine that those -QRP/QRO- who neglect it are missing a great
>deal of the romance and art of ham radio. RSGB, ARRL (+...) folks are
>replete with some great thinking on the subject but somehow the
>literature just doesn't communicate that romance as effectively as other
>hardware sectors... writing, reviews, promotion...
>
>Bottom line... pretend you don't have a license to transmit. Where would
>you put the emphasis? =s=
>
>.....
>> Could our next conceptual hurdle be Effective Radiated Power?
>>Do we really think 4.5 W to a 5-wavelength vee is QRP within the
>>docrinaire 5W out definition?
>>

>>ab51, QRP ARCI #4400,
>>G-QRP #669
>>
>>
>
"Seab" Lyon -- AA1MY
Bethel, CT; USA FN-31-HJ
ARCI #9253; QRP-L # 574
NEQRP# 511; ARRL; QCWA;
C.A.R.A.

Date: 07 Jul 97 23:04:49 EDT
From: "Wilford D. Lindsey" <70511.3041@CompuServe.COM>
To: "INTERNET:W3GX@aol.com" <W3GX@aol.com>, "W.D. (Doc) Lindsey/K0EVZ"
<70511.3041@CompuServe.COM>, QRP-L Discussion Group <QRP-L@Lehigh.EDU>
Subject: [22677] AA5EA QSL? es 3o M QRP-L Calling freq.?
Message-ID: <970708030448_70511.3041_IHD87-1@CompuServe.COM>

John:

Well, welcome aboard! Here is the (unofficial) 30 metre QRP calling
frequency = 10.106. I took this from the latest issue of Low Down, the
Colorado QRP Club's quarterly publication.

Hope to hear you on the bands sometime. Have been majoring on 20 metres
lately, but always enjoy 30. Have worked about half of my DX on 30, so
it is a great band.

Hope this info is useful.

Gud luck es 72/73,
--Doc/K0EVZ qrp-l 861 norcal 2050 cqc 414 mn-qrp 19 nj-qrp 69 ak/qrp 139
ARCI 9398 ARRL WAS 49/38 DXCC 47/39 <><

Sierra Argosy 525 Argo 515 HW-9 Explorer II-30 SW-30 Norcal 40a
Emtech 40-40 SW-40 TT 1340 A&A Gary Breed 30 49er 38S Mercury
Paddles MFJ 259 MFJ 941D TNT/2 Windom SLV/W6MMA HB G5RV
Autek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Tue, 08 Jul 1997 04:19:46 GMT
From: mdwatt@usit.net (Marty Watt)
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [22678] Re: Cost of Vanity Calls (CHEAP, Really!!)
Message-ID: <33c2ba06.97758221@smtp.usit.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

On Mon, 07 Jul 1997 22:20:25 EDT, wb2vuo@juno.com (William K
Hibbert) wrote:

>Amateur Radio is a CHEAP HOBBY, especially when compared to other
>part-time endeavours. The renewal is free, but one should expect to
>cover the administrative costs when initially acquiring a ticket, or
>upgrading. Maybe the "FCC Info Line" should be a 1-900 number, and =
bring
>the "Free Service" back into perspective.

My radios are a lot cheaper than my neighbor's bass boat ...

... or my other neighbor's custom car

... or my other neighbor's antique collection

... or my other neighbor's in-ground pool

... etc.

... etc.

72 es 73 de=20
Marty, KM7W

Jackson, Tennessee e-mail: mdwatt@usit.net
http://www.public.usit.net/mdwatt
"The Curmudgeon's Corner"
NorCal #2031 - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq
~~~~~

-----  
Date: Tue, 08 Jul 1997 04:19:49 GMT  
From: mdwatt@usit.net (Marty Watt)

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [22679] Re: KPH, WCC et al  
Message-ID: <33c4bdc3.98715083@smtp.usit.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: quoted-printable

On Mon, 7 Jul 1997 21:46:59 -0500 (CDT), "Matt Wright, AE4JM"  
<cnw@HiWAAY.net> wrote:

Hey Matt -- this will be the last public post. Anything else,  
please send privately. I'm getting innundated with information  
about utility station monitoring! I'm asking them to forward it to  
you ... hope you get it!

ObQRP (that means obligatory QRP content): Listening to utility  
stations can give you an idea of propogation worldwide! Excellent  
QRP resource! (I've got SWL cards from 6 different time/freq.  
stations, one only runs once per day, A1 emmission, 1000W from  
China, on WWV 5MHz frequency ... the 40m band was really hot that  
day, I'll tell you!)

>> That guy, which you're probably too young to know about, is Michael  
>> Palin, formerly of the comedy troupe "Monty Python's Flying Circus",  
>> and a rather big star! The BBC produced his trip some years back --  
>> he also has re-created "Around the World in 80 Days" on video as  
>> well.

>

>Hey Marty,  
>You're right, I haven't ever heard of him but I sure like that type of  
>thing, mountaineering, radio, cold temps, that just gets me going Marty!  
>I wonder how much that video is?

You really need a little of the Flying Circus! "The Holy Grail" is  
a classic movie. "Life of Brian" went over the edge for me, but was  
enjoyed by some. Michael Palin (the star) is primarily a comedian,  
not an explorer. Kinda like asking Billy Crystal or Whoopie  
Goldberg to do a travel video ...

The "Pole to Pole" videos are a four-tape set ... unsure of the  
cost. My local library here in West Tennessee has the set.

>> Probably using commercial utility frequencies for world-wide news  
>> gathering and dissemination (the BBC, Reuters, and others have  
>> numerous HF frequencies).

>

>What are Reuters? That would be neat to get ahold of those HF =  
frequencies



>for this type of stuff.

Reuters (pronounced roy-ters) is a worldwide news organization, providing mostly financial and business news, but also main news and sports.

If I can ever get a QRP rig with general coverage receive, I used to enjoy monitoring utility stations a lot ... particularly aircraft in the 6 MHz band on Trans-atlantic and Trans-pacific flights.

More ObQRP: Anybody wanna trade for my Argo 556 with noise blanker? I'll throw in the hand mic, and all the HF band modules (160-10m)!

:)

72 es 73 de=20  
Marty, KM7W

-----  
Jackson, Tennessee e-mail: mdwatt@usit.net  
http://www.public.usit.net/mdwatt  
"The Curmudgeon's Corner"  
NorCal #2031 - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq  
-----

-----  
Date: Mon, 7 Jul 1997 21:25:16 -0700 (MST)  
From: Brian Kassel <bkassel@dancris.com>  
To: qrp-l@Lehigh.EDU  
Subject: [22680] Spartan Sprint Results  
Message-ID: <199707080425.VAA18130@dancris.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Here is my "absolute" catagory entry for the July '97 Spartan Sprint:

Call sign: W5VB0  
QTH Nr Phoenix AZ  
Rig: TT Argosy 525D @ 5W output  
Antennas: 3 el tribander at 35 feet. (20M)  
          2 phased butternu HF-6 Verticals (40M)  
          1 Butternut HF-2 Vertical (40M)  
          1 80M full wave horizontal loop up about 25 feet Fed with 450 line  
          and EmTech ZM-1 antenna tuner (40M)

20 Meters

| Time (L) | Call   | RST | R   | SPC | PWR | R   | RST | S |
|----------|--------|-----|-----|-----|-----|-----|-----|---|
| 1801     | K8CV   | 559 | MI  | 2W  | 559 |     |     |   |
| 1802     | WS8D   | 579 | MI  | 5W  | 559 |     |     |   |
| 1804     | VE3JC  |     | 579 | ON  | 3W  | 559 |     |   |
| 1807     | K8WI   | 549 | MI  | 5W  | 559 |     |     |   |
| 1809     | AB7TT  |     | 599 | AZ  | 2W  | 559 |     |   |
| 1810     | N4ROA  |     | 559 | VA  | 5W  | 559 |     |   |
| 1813     | K8WI   | 559 | MI  | 5W  | 559 |     |     |   |
| 1839     | N3DTZ  |     | 449 | PA  | 1W  | 559 |     |   |
| 1842     | N4SO   | 579 | AL  | 4W  | 559 |     |     |   |
| 1848     | W9UQB  |     | 559 | AZ  | 5W  | 559 |     |   |
| 1850     | KB8UMD |     | 539 | MI  | 5W  | 559 |     |   |
| 1855     | K0EVZ  |     | 599 | MN  | 2W  | 599 |     |   |
| 1914     | KQ0I   | 559 | IA  | 5W  | 559 |     |     |   |
| 1921     | K5JS/M |     | 569 | LA  | 2W  | 559 |     |   |
| 1930     | VE5WF  |     | 569 | SK  | 3W  | 559 |     |   |

#### 40 Meters

|      |       |     |     |    |     |     |  |  |
|------|-------|-----|-----|----|-----|-----|--|--|
| 1939 | W3TS  | 449 | PA  | 1W | 449 |     |  |  |
| 1940 | AB7TT |     | 599 | AZ | 2W  | 599 |  |  |
| 1942 | K6PZB |     | 579 | CA | 3W  | 559 |  |  |

Enjoyed "Pre-Sprint" QSO with K8CV.

40M was really tough for me, as there was S-9 Thunderstorm QRN on almost all paths. Phasing the verticals rarely got it down very much.

I DID manage to work "the champ" W3TS on 40 though. Wow, 1 watt!

The 2 W mobile signal from K5JS was quite strong, armchair copy!

I used my brand new Argosy II that I obtained second hand just today. Years ago I had the original analog model, but let it get away. This one's got the optional 500 Hz CW filter, Noise Blanker and Audio Filters. Nice, clean condx too. RX seems cleaner too than the synthesized rigs that I have around here. Missed those good old TT ears.

I sure enjoyed contacting the usual "suspects" as well as some new calls that were a pleasure to see pop up.

2 hours of pure fun... this has GOT to illegal!

Thanks to all!

\*\*\*\*\*  
 \* Brian D. Kassel W5VB0 - QRP - ScQRPion \*  
 \* QRP-L #404 - ARCI #3623 \*

\*\*\*\*\*

-----

Date: Mon, 7 Jul 1997 21:44:45 -0700 (PDT)  
From: Jim W7LS <w7ls@brigadoon.com>  
To: qrp-l@Lehigh.EDU  
Subject: [22681] Want manual for Heath noise bridge, please  
Message-ID: <199707080444.VAA11858@siskiyou.brigadoon.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi. I have a Heathkit noise bridge, model HD 1422. I need the manual or a copy of it, please. Happy to pay postage and copying. I'll send a SASE, if you like.

Tnx/73 de Jim, W7LS

-----

Date: Tue, 08 Jul 1997 00:45:12 EDT  
From: ka7you@juno.com  
To: QRP-L@Lehigh.EDU  
Cc: N7VOE@aol.com  
Subject: [22682] N7VOE's Chirpy, Clunky Drifty 38S  
Message-ID: <19970707.205415.10191.21.KA7YOU@juno.com>

Help again,

My friend N7VOE has his 38S in the band now, thanks to the members of the list, and has made several QSO's. He is being told that he has a Chirp and significant Drift, and in addition believes he also has a Clunk problem.

I forwarded most of the related files I've accumulated from the list, and don't remember the 'clunk' specifically, but he needs more input.

Was there any sort of "best bet" for reducing the chirp and drift? I don't remember seeing any actual fix. There was much speculation, but I don't remember seeing any actual solution per se.

Any help/ thoughts will be appreciated.

You can reach Dan at: N7VOE@AOL.COM, or reply to me and I will gladly forward them to Dan.

7 3,

Rod Johnson KA7YOU from CN97AK near Issaquah, Wa. 160M thru 1296 MHz (3456MHz still in the wings)

NWQRP#120 ARCI#7251 QRP-L#844 NorCal #2007

-----  
Date: Mon, 7 Jul 1997 21:54:13 -0700 (PDT)  
From: Jim W7LS <w7ls@brigadoon.com>  
To: qrp-1@Lehigh.EDU  
Subject: [22683] More pixie 2 results (dx, even!)  
Message-ID: <199707080454.VAA13176@siskiyou.brigadoon.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Just a quick note: I checked into the Northwest QRP Club net on Monday evening, 18:30 hours local time. Got a 579 from N7MFB, who is 125 miles away on the Washington Coast. I am inland, east of Seattle. Also yakked with WB7OEM in Grandview, WA at 140 miles range, over the Cascade mountain range. Not groundwave, but NVIS (Near Vertical Incidence Skywave). Using 80 meters. Antenna is dipole. Center at 20 feet up, ends at 6 or 7 feet up.

Pixie 2 is running about a quarter of a watt to a third of a watt, depending on how my 9 volt battery tastes. I have a semi-calibrated tongue. Tasted like about 8 volts :-)

Man alive, this is a bare bones rig.

73/72 (71, maybe??) de Jim, W7LS/QRPP

-----  
Date: Mon, 7 Jul 1997 22:44:05 -0700 (MST)  
From: Joe Gervais <vole@primenet.com>  
To: qrp-1@Lehigh.EDU  
Subject: [22684] Re: Why QRP? Poor antennas are valuable!  
Message-ID: <199707080544.WAA21668@usr04.primenet.com>

Jim (W7LS) wrote:

>  
> Here's why qrp and poor antennas are valuable. For portable and emergency  
> work, you put up the best antenna you can in the shortest amount of time,  
> which translates into a poor antenna, compared to towers, etc.  
> ...  
> In fact, local 0-100 mile communications uses NVIS propagation  
> down on 80, which uses low LOW antennas.  
> See? The perfect marriage. QRP and cheap, low antennas!

Well, a low antenna for NVIS *is* the best antenna. If you need to work NVIS. Now when I go to the field, the first thing I look

for is one of God's Own antenna towers - big, beautiful trees on a ridge. Put a simple dipole way up on one, and you've got yourself one GREAT antenna system. Just ask anyone who worked AB7TT/NQ7K during FYBO. :-)

So to summarize, Cheap and Simple does *\*not\** have to equal Poor. But I get your point in a twisted way, and it translates to: "Any antenna that gets out is good enough." Question is, to where do you want to get out? I'm goin' fer QRP DXCC myself. :-)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"What, a raw frog?!? Don't you even take the bones out?!?"  
"If we took the bones out they wouldn't be crunchy, would they?"

-----  
Date: Mon, 7 Jul 1997 22:43:34 -0700 (PDT)  
From: Alan Kaul <kaul@netcom.com>  
To: MNHopkins@aol.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [22685] Re: Pixie, Thoreau, QRO  
Message-ID: <Pine.3.89.9707072232.A9973-01000000@netcom14>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 7 Jul 1997 MNHopkins@aol.com wrote:

> Great to find mention of Pixies and such in the gathering sea  
snip>

> Do we really think 4.5 W to a 5-wavelength vee is QRP within the  
> doctrine 5W out definition?

>

I REALLY do think QRP is all about power input at the transmitter.... just as QRO is power input at the transmitter. Those that build an antenna that provides signal gain ought to be encouraged.

Otherwise, we're left with only 0 (zero) gain antennas, i.e. isotropic radiators.

The questions I would ask: Is the QRO operator who puts 2KW pep into a dummy load also qualify as QRP? What if that same op loads 2KW into the legendary 'wet noodle' and loses 27 dB at the antenna and ends up with 3.5 watts

actually radiated out.... is he QRP?

This is not a flame, just my 2-watts worth .....

Best 72/73 de alan

-----  
Date: Tue, 8 Jul 1997 02:44:56 -0400 (EDT)  
From: Wayneb1103@aol.com  
To: qrp-1@Lehigh.EDU  
Subject: [22686] Re: Pixie, Thoreau, QRO  
Message-ID: <970708024455\_-1260050771@emout16.mail.aol.com>

In a message dated 97-07-08 01:12:08 EDT, you write:

<< Could our next conceptual hurdle be Effective Radiated Power?  
Do we really think 4.5 W to a 5-wavelength vee is QRP within the  
doctrinaire 5W out definition?  
>>

I can see it coming now and I beg all of you...Please dont start this thread again. It didn't go anywhere the last two times. Instead, lets build more Pixie's and have a Pixie night on 40M.

Wayne WB7WHI  
Spokane, Wa.

-----  
Date: Tue, 8 Jul 1997 08:53:46 GMT +1  
From: "Karl-Heinz Merscher" <Karl-Heinz.Merscher@stud.uni-bayreuth.de>  
To: qrp-1@Lehigh.EDU  
Subject: [22687] bandpass filter software needed  
Message-ID: <199707080653.IAA25705@btr0xe.hrz.uni-bayreuth.de>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

Hi to the QRP-community,

I'm a proud owner of an OHR EXPLORER II for 30 m.  
The EXPLORER II is a super transceiver. Only in the evening hours a  
have big problems with intermodulation. Most of the CW signals are  
covered by broadcast and commercial stations. So I decided to build a

bandpass filter for my rig.

Anybody out there who knows a good software for calculating such a filter? Where to get the software in the internet?  
Shareware/public domain whould be appreciated very much.

Thanks in advance!

best 73 de DL6RDE / AA1KD, Charlie

member of the dl-qrp-ag

```
*****
* DL6RDE / AA1KD Karl-Heinz Merscher      *
* member of the bavarian contest club    *
*          DIG 5059, DOK U17              *
*          ARRL voluntary examiner        *
*****
```

-----

Date: Tue, 08 Jul 1997 00:03:43 -0700  
From: Bill Todd <bill@techline.com>  
To: k7sz@juno.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [22688] Re: Pixie, Thoreau, QRO  
Message-ID: <1.5.4.32.19970708070343.006c33f0@mail.techline.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>While using QRP power levels helps reduce the RF polution on the planet,  
using >highly efficient (high gian) antennas helps us accomplish more with  
less power. >Everyone wins.

>  
>73 rich K7SZ

Here, Here!

I love my 4 element Yagi on 10 meters. Now, if only there were OTHER QRPers on  
28.060!

BCNU,  
CUL - Bill-N7MFB  
<http://www.techline.com/~bill>  
\*Newly updated 7/8/97\*

-----  
Date: Mon, 7 Jul 1997 23:56:32 -0700  
From: kc7pxt@casagrande.com (Dallas J. Chapman)  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [22689] building a 3.3 GHz transmitter to hook 2 a 3.3 GHz reciever ??  
Message-ID: <199707080656.XAA05927@casagrande.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi all de dallas/kc7pxt. -

I've got a question to ask everyone. I'm trying to have a 3.3 GHz microwave link, but only have the reciever. All I need is simple instructions on how to build a 3.3 GHz transmitter to hook up to the reciever and I have everything made. Or maybe someone can guide me to a QST magazine and iot can tell mme how to do so.

Thanx for reading this message. 73!

-----  
Date: Tue, 08 Jul 1997 11:20:52 +0300  
From: Arjen Raateland <Arjen.Raateland@vyh.fi>  
To: wb2vuo@juno.com  
Cc: QRP-L <QRP-L@Lehigh.EDU>  
Subject: [22690] Re: Cost of Vanity Calls (CHEAP, Really!!)  
Message-ID: <33C1F864.5657@vyh.fi>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

William K Hibbert wrote:

> > the vanity application fee will jump to 50 dollars a year.  
> >  
> >Rich Wilkerson, WD6FDD, Santee, Ca.

> I got overly efficient (???) and already deleted the file, but the ARRL  
> printed (in the ARRL Letter) a correction. The fee will increase to \$50  
> for the >>10 Year<< license, and the \$50 application fee will be required



> upon application this September.

Well, in Finland there are new rules, too. A vanity call will set you back 2000 FIM which is about 400 US\$. The first year of this new scheme it is cheaper than that, but after a while it'll be 400 US\$. Definitely QRO!

But I guess people will buy at that price, just as vanity registration plates for cars which cost 800 US\$, if I am not mistaken. Nevertheless there are a lot of those on the streets.

cheerio, OH2ZAZ

--

Arjen Raateland  
Finnish Environment Institute  
SAS Support  
phone +358 9 4030 0457

-----  
Date: Tue, 8 Jul 1997 06:27:00 -0400 (EDT)  
From: Bob Patten <n4bp@shadow.net>  
To: QRP-L Reflector <qrp-l@Lehigh.EDU>  
Subject: [22691] ZF2DE/8 Little Cayman  
Message-ID: <Pine.SOL.3.91.970708060954.16600A-100000@hyper>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

This Thursday, July 10, five of us head for Little Cayman. Four of us are hams and four of us dive, I'm one of three that have shared interests. I'm the only one in the group who operates CW so will concentrate my efforts on that mode and plan to operate near the QRP freqs: 28.060, 21.060, 14.060, 10.125, 7.040, 3.560. However if a good opening happens on 10M, I might be tempted to try some SSB there. I'll keep my ears tuned for members of this group although summer storms can produce a lot of QRN in the tropics. During the IARU contest on the weekend, we will sign ZF2DN/8. We will be using a TS-440S, triband beam, and dipoles for 40 and 80. Wind permitting, I will try flying a 5/8 wave vertical for 40M with a parafoil. We will also attempt to make some Qs through the RS-12 satellite and some 6M CW and SSB. We should hit the air by about 6PM on Thursday and will start back for Miami the following Tuesday. Hope to work some of you during our stay at ZF8.

73, ZF2DE (Bob, N4BP)  
ZF2DN (David, KP4AM)  
ZF2JS (Julio, WD4JNS)  
ZF2PU (Bruce, W4OVU)

Bob Patten, N4BP  
n4bp@shadow.net  
Brass Pounder BBS (954) 472-7715

Plantation, FL  
<http://www.shadow.net/~n4bp/n4bp.htm>

-----  
Date: Tue, 08 Jul 1997 05:45:20 -0500  
From: "j. b. fox" <w5hir@mail.phoenix.net>  
To: qrp-1@Lehigh.EDU  
Subject: [22692] Steve Weber's Spec. Anal.  
Message-ID: <3.0.1.32.19970708054520.006a2050@mail.phoenix.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

HI Y'all, I read Steve Webers info on the Spectrum Analyzer Mark II.  
I wanted a spectrum analyzer for my shack, and I asked Steve if  
it would be possible to make up a kit for me, although his Mark I  
had already been sold out and possibly discontinued. He made a kit  
for me which is a nice unit. This was almost a year ago.

If the Mark II is as good as the mark I it is bound to be a winner.  
I had written something like this epistle a few days ago, but it got  
misdirected somehow.. All I can say is, " Try it, hyou'll like it".

I have absolutely no connection with Steve, outside of an appreciation  
for his design work.

Foxy w5hir@mail.phoenix.net

-----  
Date: Tue, 8 Jul 1997 05:47:18 -0500  
From: Peter\_Simpson@3com.com  
To: qrp-1@Lehigh.EDU  
Subject: [22693] WCC not dead yet!  
Message-ID: <852564CE.003B02FF.00@hqoutbound.ops.3com.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=us-ascii

Using the frequency list on their web page

(www.globewireless.com/index.html)

I tuned in WCC last night. They were running, in CW, a marker calling  
CQ DE WCC WCC...

Mark Twain and all that...CW's not dead yet, from (close to) the site of  
Marconi's Welfleet station.

72,  
Peter, KA1AXY

-----  
Date: Tue, 8 Jul 1997 07:01:24 -0400 (EDT)  
From: Chris Cartwright <ccart@dns.vidtel.com>  
To: QRP Reflector <qrp-l@Lehigh.EDU>  
Subject: [22694] Re: AA5EA QSL? es 3o M QRP-L Calling freq.?  
Message-ID: <Pine.LNX.3.93.970707235451.1947B-1000000@dns.vidtel.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

W3GX@aol.com wrote:

> I almost got AA5EA this evening in the middle of some QRM on 30M,  
> running at 4 watts.

I was on my way home from work and heard you trying to catch him, FWIW you  
were 599 here in MD :) And as a new ham, I have a question, just what is  
the ettiquette for calling one of the parties when you hear an "almost"  
QS0. I mean, how can I tell when you've "given up" enough on a call to  
jump in?

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --  
-- N3XRV QRP WAS 17/9 (w/c) | ccart@erols.com --  
-- QRP-L #655 NORCAL #1891 QRP-ARCI #???? | http://dns.vidtel.com/~ccart --  
-- WIMPS Q's=04 30M=04 17M=00 12M=00 STATES=03/00/00 DX=00/00/00 QSL's=00 --

-----  
Date: Tue, 08 Jul 1997 06:27:04 -0500

From: Bob Liesenfeld <wb0poq@visi.com>  
To: qrp-1@Lehigh.EDU  
Subject: [22695] Re: bandpass filter software needed  
Message-ID: <33C22408.6452F504@visi.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Karl-Heinz Merscher wrote:

>  
> Hi to the QRP-community,  
>  
> I'm a proud owner of an OHR EXPLORER II for 30 m.  
> The EXPLORER II is a super transceiver. Only in the evening hours a  
> have big problems with intermodulation. Most of the CW signals are  
> covered by broadcast and commercial stations. So I decided to build a  
> bandpass filter for my rig.  
>  
> Anybody out there who knows a good software for calculating such a  
> filter? Where to get the software in the internet?  
> Shareware/public domain whould be appreciated very much.  
>  
> Thanks in advance!

Hi,

I don't know if you run linux, but for a nifty Basic program I wrote, try:

<http://sunsite.unc.edu/pub/Linux/apps/ham/butterworth-1.0.0.tar.gz>

It will calculate 2 pole BP filters that work very well. As it is a Basic file, you should be able to get it to run on BWbasic, Qbasic, et al without too much trouble.

GL es 72

--

Genuine E-mail From the Land of the Everlasting Icicle...

Bob Liesenfeld  
wb0poq@visi.com

-----

Date: Tue, 8 Jul 1997 06:17:47 -0400  
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>  
To: qrp-1 <qrp-1@Lehigh.EDU>  
Subject: [22696] NF3I/5 a bust in MS  
Message-ID: <Pine.3.89.9707080609.A31014-0100000@w3eax.umd.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Conditions in the hotel room are pathetic. Got the modem to work, to my surprise, ONCE...

8th floor but no opening windows or balconies.

This is a REAL casino, folks. It's serious business here on the gulf coast.

Solid steel all around. Heard one or two folks on 40m.

\* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 \*  
\*\*\* 6m 75 grids worked on 8 watts \*\*\* HF 140 cfmd \* QRP-L #147 \*\*\*  
\*\* QRP ARCI #9054 \*\* DXCC/WAS/WAC \*\*\* 100% dipole powered HF/6m \*\*  
\* 301-549-1022 h / 301-982-1015 w \*\*\* Hamfest, life's simple joy \*

-----  
Date: Tue, 8 Jul 1997 05:33:31 -0700 (PDT)  
From: Bradley Mitchell <wb8ygg@rocketmail.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [22697] Re: Pixie, Thoreau, QRO  
Message-ID: <19970708123331.12958.rocketmail@send2.rocketmail.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

This ERP discussion reminds me of the discussion I read about in the Milliwatt reprints regarding Input Power vs Power Output.

It was very heated, and if I recall correctly, Wes Hayward was the only one that was a big proponent of output power measurement being the standard for QRP.

Back in the 60's apparently QRP like all other Amateur Power limits were based on input power. (You remember max input power right).

It's amazing, but you could take this one step further back to the input power requirement, and then not penalize the homebrewer that is using a very efficient transmitter to generate 5Watts from 5.1 Watts. You get the picture.

I personally don't think that the antenna designer/builder should be penalized for his ability. One could argue that the homebrewer /designer should not be penalized as well, and thus the measure should be Input power.

This all depends on what we want to be measured against.

Do we want to strive for great efficient designs, antennas or operating practices.

If I'm right, it seems that the following table would be appropriate for the differnt methods:

|               |                                                |
|---------------|------------------------------------------------|
| Input Power:  | Drives Efficient Transmitter & Antenna Designs |
| Power Output: | Drives Efficient Antenna Designs               |
| ERP:          | Drives Operating practices to be the best,     |
|               | especially on the recieving end.               |

My personal opinion is if it ain't broke, don't fix it.

73 Brad WB8YGG

---

Sent by RocketMail. Get your free e-mail at <http://www.rocketmail.com>

---

Date: Tue, 8 Jul 1997 08:06:25 -0500  
From: ac5am@juno.com (Robert L Stolzle)  
To: qrp-1@Lehigh.EDU  
Subject: [22698] RE: Argo 509 FS  
Message-ID: <19970708.080646.3534.2.ac5am@juno.com>

The Argo 509 is spoken for.

Gosh, my little puppy went fast.

Thanks to everyone,

Bob, AC5AM

-----  
Date: Tue, 08 Jul 1997 09:36:38 EDT  
From: ab5uacw@juno.com (Clifton W Sikes)  
To: qrp-l@Lehigh.EDU  
Subject: [22699] Special Event Reminder  
Message-ID: <19970708.083231.4911.0.ab5uacw@juno.com>

Just a quick note to remind everyone of the Woody Guthrie special event. Start time is 00:00 12 July (Friday evening). The QRP station will be on 40m, between 7.040 and 7.050. Sorry, the Explorer won't go into the Novice band. Look for us on the other bands on SSB, in the bottom of the General frequencies.

It was brought to my attention that this is the same week end as the IARU World Championship. Can't do a thing about that. We will just do the best we can.

Qsl route: Woody

P.O. Box 698  
Okemah, Ok. 74859

Hope to work some of you this week end, as N5LU Special Event Station.

72, Clif  
Clifton Sikes AB5UA  
Earlsboro, Ok.  
ab5uacw@juno.com

-----  
Date: Tue, 8 Jul 1997 06:42:24 -0700 (MST)  
From: Chris Trask <ctrask@primenet.com>  
To: Karl-Heinz Merscher <Karl-Heinz.Merscher@stud.uni-bayreuth.de>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [22700] Re: bandpass filter software needed  
Message-ID: <Pine.BSI.3.95.970708062928.5748D-100000@usr01.primenet.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 8 Jul 1997, Karl-Heinz Merscher wrote:

> Hi to the QRP-community,  
>  
> I'm a proud owner of an OHR EXPLORER II for 30 m.

> The EXPLORER II is a super transceiver. Only in the evening hours a  
 > have big problems with intermodulation. Most of the CW signals are  
 > covered by broadcast and commercial stations. So I decided to build a  
 > bandpass filter for my rig.  
 >  
 > Anybody out there who knows a good software for calculating such a  
 > filter? Where to get the software in the internet?  
 > Shareware/public domain whould be appreciated very much.  
 >

If you're just concerned with AM broadcast signals, a simple 3-  
 or 5-pole highpass filter will do just fine. The parts values for a  
 0.5 dB Tchebycheff filter with a cutoff of 3.25MHz would be:

|       | 3-pole | 5-pole |
|-------|--------|--------|
| 1. L1 | 2.53uH | 2.81uH |
| 2. C2 | 1124pF | 1343pF |
| 3. L3 | 2.53uH | 4.84uH |
| 4. C4 |        | 1343pF |
| 5. L5 |        | 2.81uH |

If, on the other hand, you have a TVI problem, then you'll  
 need a low-pass filter on the transmitter output. For the bandwidths  
 we encounter in HF, it's a lot easier to design and build a separate  
 low- and high-pass filter than it is to make a single bandpass filter.

Hope this helps. :{)

I gotta go.

Regards,

Chris

```

      /-----\
    / If you understand it, \
    /   then it's obsolete!   \
    \-----/
  _ | /
oo\
(--) \
    \ \ / \
    \ \ / \

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Circuit Design for the  
 RF Impaired

Chris Trask / N7ZWY  
 Principal Engineer  
 ATG Design Services  
 P.O. Box 25240



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Tempe, Arizona 85285-5240

Email: ctrask@primenet.com

Graphics by Loek Frederiks

-----  
Date: Tue, 8 Jul 1997 08:54:29 -0500 (CDT)  
From: Bill Howell <bhowell@mail.utexas.edu>  
To: qrp-l@Lehigh.EDU  
Subject: [22701] Mars communications info pages  
Message-ID: <199707081354.IAA07905@mail.utexas.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>From what I've read, the rover is using 100mW on 450 mHZ, to a monopole antenna.

This URL is for the deep space network.  
<http://www.jpl.nasa.gov/mip/dsn.html>

This one discusses the telecommunications.  
<http://mpfwww.jpl.nasa.gov/rovercom/rovcom.html>

Both locations are \_very\_ busy.

Bill Howell  
University of Texas at Austin  
Performing Arts Center  
Electronic Maintenance  
voice 512.471.1388  
bhowell@mail.utexas.edu  
N5ALO QRP-L #415

everything is sacred  
nothing is serious

-----  
Date: Tue, 8 Jul 1997 07:04:11 -0700 (PDT)

From: jayboy@empnet.com (Jay & Jackie)  
To: ataylor@midas.llnl.gov, "Low Power Amateur Radio Discussion" <qrp-  
l@Lehigh.EDU>  
Subject: [22702] Re: Help found for EMTECH NW40  
Message-ID: <199707081404.HAA09864@empnet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 02:48 PM 7/7/97 -0700, Allan G. Taylor wrote:

>  
>Hopefully the NorCal40A, scheduled to ship in about a month, will be in  
>running shape.  
>  
>Thanks, gang  
>  
>Grant K7GT k7gt@qsl.net  
>  
>  
It will, I guarantee it! :-) .....Jay

-----  
Date: Tue, 8 Jul 1997 10:03:37 -0400 (EDT)  
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>  
To: towertalk@contesting.com, QRP-L List <qrp-l@Lehigh.EDU>  
Subject: [22703] some trap graphs  
Message-ID: <Pine.SOL.3.94.970708095654.26678A-100000@utkux4.cas.utk.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

To try to answer some unanswered questions about the relationship of trap Q, wire size, and performance, I have begun some systematic modeling of the 10-20 meter dipole as a test case (the first among many). The initial results are in a post called "Systemmatic Trap Modeling" at my site, and the graphs (multi-color to compete with Mars pictures, as if I could) may be of interest to some. The entry is incomplete (and may always be so, given the number of possible variations on the trap theme), but is indicative of why low and high Q traps do what they do. As usual, fat wire and high Q win over skinny wire and low Q--but you already know that. How big the score is may surprise you--at least a little bit. More will be added as it becomes available.

-73-

LB, W4RNL

L. B. Cebik, W4RNL            /\    /\       \*    /   /   /    (Off) (423) 974-7215  
 1434 High Mesa Drive        /    \/    \/    ----/\----    (Hm) (423) 938-6335  
 Knoxville, Tennessee       /\    \    \    /   /   ||   /    (FAX) (423) 974-3509  
 37938-4443        USA       /    \    \    \    ||                    cebik@utk.edu  
                  URL:    http://funnelweb.utcc.utk.edu/~cebik/radio.html

-----  
 Date: Tue, 8 Jul 97 08:38:52 MDT  
 From: af852@rgfn.epcc.Edu (William R Colbert)  
 To: qrp-1@Lehigh.EDU  
 Subject: [22704] [v31xe@dzn.com: mobile]  
 Message-ID: <9707081438.AA07228@rgfn.epcc.Edu>

===== Begin forwarded message =====

From: v31xe@dzn.com ("William R. Colbert")  
 To: af852@rgfn.epcc.Edu  
 Subject: mobile  
 Date: Tue, 08 Jul

Ron, I am not currently mobile with my P/U but plan to put my bugcatcher back on it soon, and it does have a camper shell (cap?) installed. It should be just as in a station wagon, which I used to use (74 ford full size). You could use a bumper mount, but be sure and run separate ground wires from the mount to the frame of the truck - did that on the station wagon and also used tuned radials for the bands of interest and that made a big difference. I don't really want to drill out any holes in the body (current bodies of vehicles are paper thin and won't hardly support their own weight, much less a heavy antenna), so I will use one of my Antenna Specialists ball mounts in the hole designed for a trailer hitch. If that is in use, then the alternate is either a bumper mount or a modified mount such as made by k5 or n5DC a few years ago, which fits under the trailer hitch, off to one side. The antenna I use is a bugcatcher, 5 ft mast, center loaded coil 4" dia. and the top whip is about 3 feet long. Worked very well the last time I had it set up. There are a number of ways to do the mobile thing and I am sure that you will get a lot of answers on the list. Good luck and have fun.

"Politicians are like nappies. Both should be  
changed regularly -- and for the same reason"

-----  
Ray Colbert, W5XE,  
00TC 3618, SOWP 1064M  
(also af852@rgfn.epcc.edu)  
El Paso, Texas

--

Ray Colbert, W5XE  
00TC 3618, SOWP 1064M  
El Paso, Tx (Far West Texas)  
(also: v31xe@dzn.com)

-----  
Date: Tue, 8 Jul 97 07:49:19 +0000  
From: tgordish@concentric.net  
To: "qrp-1" <qrp-1@Lehigh.EDU>  
Subject: [22705] Spartan Sprint Results  
Message-ID: <199707081446.KAA07626@newman.concentric.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

QRP Folk,

My station was:

SST-20: .6 lbs  
Vibroplex key: 3.4  
Head set: .1  
Gel Cell: 2.6

-----  
Total 6.7 lbs

I don't believe that this will be very competative, but wait until next  
time! I might squeeze in under a pound Sept.

QSOs

20 Meters-

1:10 K8CV MI

1:35 N4CV AL  
1:43 WS8D MI  
1:47 K0EVZ MN  
1:55 KQ0I IA  
2:05 AC5AM LA

In the second hour the band must have really dropped out. I was only using a dipole. This was the most fun to date that I have had in any contest. It was just my style. It was challenging finding the stations, the code speeds were very reasonable, and the 2 hour length was just right. I believe that this is only the beginning of a very long participation in this event. I was surprised that I didn't hear any stations in the North West or California.

72,

Tim & Aretta Gordish  
KB9LGJ & N0YDG  
Yuma, AZ

QRP-L #457, ScQRPion #25, IDEA, ARRL  
Rigs: 38-S, 20m-SST  
WAS on 30m: 19 confirmed

\*\*All the nations may walk in the name of their gods, we walk in the name of the Lord our God for ever and ever" Micah 4:5\*\*

-----  
Date: Tue, 8 Jul 1997 10:59:38 -0400 (EDT)  
From: Jim Eshleman <lujce@hooch.cc.Lehigh.EDU>  
To: qrp-l@Lehigh.EDU  
Subject: [22706] HamCalc version 28 available  
Message-ID: <97Jul8.105941-0400\_edt.10407-12034+15@hooch.cc.Lehigh.EDU>  
Content-Type: text

Gang,

HamCalc version 28 (08 Jun 97) is available at:

ftp://ftp.lehigh.edu/pub/listserv/qrp-l/tools/hcal-28.txt  
ftp://ftp.lehigh.edu/pub/listserv/qrp-l/tools/hcal-28.zip

New programs:

Lamp Life Expectancy  
Trap Property Estimator  
Windom Antenna

Upgrades:

Initial Screen Display

Many thanks to Murph, VE3ERP.

73

Jim N3VXI

-----  
Date: Tue, 8 Jul 1997 08:09:37 -0700 (MST)  
From: Joe Gervais <vole@primenet.com>  
To: qrp-1@Lehigh.EDU  
Subject: [22707] 20m goes nuts - Anyone else notice?  
Message-ID: <199707081509.IAA11250@usr01.primenet.com>

Howdy Folks,

Spartan Sprint was a blast! Sent my soapbox comments to Russ (should appear soon), but was wondering if anyone else noticed that 20m went whacko last night? During the contest, some "local" sigs got very fluttery (like trans-polar Russian sigs). Heck, even ScQRPion Brian's (W5VB0) groundwave sig got fluttery. And no, it wasn't my rig acting up. :) ScQRPion Dan (N7VE) called me and was wondering the same thing. East coast stations didn't seem affected. By the end of the night, it was *\*really\** pronounced. 6-land hams were strong but barely copyable due to heavy flutter.

Auroral? Extraterrestrial? Maybe I should cut down on margaritas before going on the air? :)

I know, it's them dang black helicopters and the queen of England again. And alien replicants. Or alien eggplants. Or something. Heard all about in on AM radio. So it *\*must\** be true. Now where did I put my Nikes and purple bandana?

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"And then you must cut down the mightiest tree in the forest with... A HERRING!"

-----  
Date: Tue, 8 Jul 1997 10:16:47 -0500  
From: "Claton Cadmus" <aplitech@spacestar.net>  
To: <ukii@megsinet.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [22708] Re: installation Help - coax -  
Message-ID: <199707081518.KAA17200@webster.spacestar.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

John N9UKX asked about installing coax in his house remodeling project:

Running coax in the walls of a house is always a challenge. Some caution must be used. Especially with larger (RG-8) foam coax, bends in the coax should be gentle and no tighter in radius than about 10 times the coax diameter, about 5 inches for 1/2" coax. This would be like wrapping the coax around a 5 quart ice cream bucket. So make sure the PVC pipe will provide this clearance. If you use elbows, use two 45 degree elbows with a short straight section instead of a 90.

Another, often over looked method, is to make a metal wall panel with S0-238 connectors and coax pigtails running down into the basement ceiling cavity where the coax from outside can be connected via barrel connectors or even another similar panel. This has the advantage of making a tight right angle bend. This method can also be used for 300 ohm twin lead for balanced feeds using insulated feedthroughs spaced appropriately.

Dryer vents make very good coax feedline entrances. After you install the coax, stuff coarse steel wool in and around the coax from the outside and fiberglass insulation from the inside. The steel wool keeps the critters from getting in! You can also build a metal panel in the dryer vent outlet and install S0-238 connectors as above with the short coax pigtails between the two. This has the advantage of not having to run down into the basement to pull new feedlines through and being able to quickly disconnect the feedlines outside in approaching serious weather. Also, ground the outside metal connector plate with a good piece of braid and the metal panel on the inside will be a good central ground point for your equipment too! I'm sure one can find a dryer vent that could accommodate a half dozen feedlines, maybe more. Also, for all but serious UHF low signal work RG-58 coax between panels should be fine for the short distance. If you need to run the coax through the length of the basement, use RG-8 if you can.

One last thing, whatever you choose to do, PVC pipe or panel, make it suitable for TWICE the feedline runs you think you'll need!

Hope this Helps,

----

73 de KA0GKC Claton Cadmus

E-mail cla@spacestar.net

If you live in Minnesota check out this webpage!

<http://www.spacestar.net/users/aplitech/mnqrp/>

-----

Date: Tue, 8 Jul 1997 12:10:01 -0400 (EDT)

From: K5BDZ@aol.com

To: ukii@megsinet.net, qrp-l@Lehigh.EDU

Subject: [22709] Re: installation Help - coax -

Message-ID: <970708120956\_1690432412@emout05.mail.aol.com>

Good for you...planning ahead! I built a 10x10 radio outbuilding and used an attic outer wall mounted aluminum plate roughly 12 " x 18" on/through which to mount 6 coax Double S0239 (feedthrough types) 1 each 4 pin, 8 pin 15 pin Jones plugs, 2 ceramic feedthrough insulators for openwire, 1 ceramic feedthrough for longwire and ground connection. Then I numbered each connection.

I then marked appropriate cables on BOTH ends the attached plate terminal number, connected cables/wires from inside the plate to my shack operating area, and tied all together with tywraps. For internal connections from plate to ant tuners, I used coax for balanced wire feed as well as longwire feed. HOW or WHY? e mail me. Mainly to keep interaction losses from open wires/nearby metal to grounded wires/shields.

The plate required a large hole cut in the side of the outer attic wall, but it surely is easy to change out wires, etc when needed. Keeps mouses, meeces, and mini-elephants out of the house, too. They can crawl through openings and thru pipes.

Good Luck es 72 Bill, K5BDZ k5bdz@aol.com

-----

Date: Tue, 8 Jul 1997 10:19:17 -0600

From: "Bob Follett" <bfollett@ditell.com>

To: "QRP-L Group" <qrp-l@Lehigh.EDU>

Subject: [22710] WWWV Clock collectors -- A New One!

Message-ID: <199707081615.KAA30411@mars.ditell.com>



MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Gang:

After all the moaning about the lack of a WWVB synchronized clock that also properly displayed UTC and date, there is an answer on the horizon!

According to "The LOWDOWN", (Longwave Club of America), The German firm, Arcron Zeit, is introducing the "Executive PC" version of their desktop clock, seen in QST and other journals -- also discussed in several threads on this list led by Chuck. The PC version has an RS232 port on it and comes with PC software to maintain the computer's clock. Suggested price is \$149.95. The company has a web site: [www.arctime.com/](http://www.arctime.com/) (I haven't looked).

Then, of course, you are free to use whatever PC time-display software that suits your fancy, from simple, floating time window, to full-screen world-wide display layered on a map.

Also remember, WWVB is tripling its power output in September, with new transmitters, and use of the old WWVL antenna will be incorporated into the WWVB configuration.

73, Bob

-----  
Bob Follett AB7ST, QRP-L # 129, NorCal, ARCI, 10-10, ARS  
2861 Estates Dr. VOICE: 801.649.6457  
Park City, UT 84060 E-mail: [bfollett@ditell.com](mailto:bfollett@ditell.com)

-----  
Date: Tue, 8 Jul 1997 11:19 CDT  
From: FAITHD@dnr.state.wi.us (Don C. Faith III, AM/7, \((608\) 267-3135)  
To: [ka7you@juno.com](mailto:ka7you@juno.com)  
Cc: [qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)  
Subject: [22711] Re: N7VOE's Chirpy, Clunky Drifty 38S  
Message-ID: <009B6F1941A3FB5F.546D@dnr.state.wi.us>

I had some similar problems w/ my 38S and my recollection regarding some of the fixes are as follows:

For the drift, I found that my biggest problem was generally associated with using too large of an inductance in the VX0. By using 4.7 uH for the inductor, the amount of drift was substantially reduced. Related to this is that the VX0 range could be adjusted up into the

desired portion of the 30m band by placing a small air variable capacitor across the 1N400? capacitor of the VX0. Although the 4.7 uH didn't give that large of a tuning range, the improved stability was a worthwhile trade off. Some people (including myself) experimented with different diodes in the VX0 to get a little more out of the 4.7 uH and also effect the VX0 range.

For chirp and freq. stability both, there was a mod that involved adding some additional grounding the back of the board and some additional bypass capacitors. This appeared to be helpful. Also I did the mod that added a bypass capacitor on the transmit offset diode cathode. These changes didn't eliminate the chirp (/clunk?) but did seem to help somewhat and also they helped reduce the drift.

Hope that this is of some assistance.

73 (es 72) de N9WR, Don C. Faith

-----  
Date: Tue, 08 Jul 1997 10:05:04 -0700  
From: Ed Loranger <we6w@qsl.net>  
To: n8cqa@tir.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [22712] Re: MI-QRP 4th of July Sprint Logs  
Message-ID: <33C27340.53CF@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Award for heaviest station only getting 1 QSO/Band?  
-Ed Loranger

Station:  
HW-8           1.8 Lbs  
Plastic Key    .1  
Head set:      .1  
Car Battery 12 Lbs.  
-----  
TOTAL           14 Lbs

QSOs

20 Meters  
TIME    CALL    SENT                    RCVD  
0233Z K6PZB   549 CA 2W       559 CA 3W

40 Meters

| TIME  | CALL  | SENT      | RCVD      |
|-------|-------|-----------|-----------|
| 0258Z | AB7TT | 559 CA 2W | 559 AZ 2W |

Thats .142857 QSO's Per Pound. Hmmmmmmmm.  
Got home late and didn't have time to connect  
the 12V Makita battery. I'll test that later.  
BTW: Heard Doc, K0EVZ with my Field Day Phased Verticals!!!!

--

72/73 de we6w, Ed Loranger CW ONLY!  
WEB:<http://www.qsl.net> MAIL:<mailto:we6w@qsl.net>  
HW-8, OHR-100, JV-II w/vfo, pixie2, Phased Verticals Southeast.

-----  
Date: Tue, 8 Jul 97 12:04:42 CDT  
From: QLF%[mimi@magic.itg.ti.com](mailto:mimi@magic.itg.ti.com)  
To: QRP-L@[Lehigh.EDU](mailto:Lehigh.EDU), [adams@sgi.com](mailto:adams@sgi.com)  
Subject: [22713] re: LET THE FLAME WARS BEGIN OR NOT  
Message-ID: <9707081704.AA25823@itg.ti.com>

From: Brad Bradfield      QLF

Subj: re: LET THE FLAME WARS BEGIN OR NOT

FB on all, Chuck. Well said, as usual. We've all gotten a lemon at one time or another (and in other arenas besides amateur radio too,) but there's a proper and ethical way to handle such matters, and that way is NOT to air our dirty laundry in public. If I get the overall gist of your posting, that's part of what you were saying.

Publicly badmouthing an amateur radio manufacturer or retailer does nothing but cause bad will. It DOES NOT get you better service or a better product next time. Attempting to work WITH a manufacturer or retailer will, however. That is if he's interested in his customers at all, and if he's not, he's not going to be around long anyway.

Yes, I like to do business locally too, because it's nice to be able to go into Texas Towers and say; "Gerald, I've got a real problem with this whatchamadoozy you sold me." Now Gerald, being interested in his customers, is going to do whatever he can to make the product right, but I suspect he (and most others, too) might dig his heels in a bit if the first he knew a "problem" might exist was when foul comments started being made publicly on the QRP-L or one of the news groups.

My amateur radio bucks being somewhat on the short side (two kids in college this fall, you know!) I'm going to shop around and make sure I'm getting the absolute most for my dollar; and Gerald, being a businessman is going to attempt to sell a product that consumers want to buy for a price they're willing to pay. Any business with a habit of being overpriced just ain't going to be around long.

Listen to the Chucker guys (and gals), we certainly don't need this list to turn into the same badmouthing garbage that seem to be the norm on some of the news groups.

Oh, well.

72's es 73's,

Brad, WB0CGH

\*\*\*\*\*

|                    |                                   |
|--------------------|-----------------------------------|
| Brad Bradfield, PE | Electrical Design Engineer        |
| (H) 940-321-2960   | Texas Instruments, Inc.           |
| (W) 972-462-6230   | (Soon to be: Raytheon/TI Systems) |
|                    | Real men talk with their fingers! |

QLF@MSG.TI.COM

WB0CGH@W05H.#DFW.TX.USA.NA

ARRL Life Member    QRP-L #377    SMIRK #4906    IEEE(M)    ARS #72

Collector of wireless and landline Morse keys and accessories.

\*\*\*\*\*

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Date: Tue, 8 Jul 1997 11:07:15 -0600 (MDT)  
From: "Thomas J. Whalen" <whalen@swcp.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [22714] coil info  
Message-ID: <Pine.SUN.3.91.970708110259.3173A-100000@kitsune.swcp.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Fellow QRPer's, Instead of using 150lb test monofilament for the winding on the coil KT3A, C. Bailey has just made a great suggestion of using weed wacker line. It's cheap, and available almost everywhere. That's what I'll call the new antenna, "Weed Wacker"! 72, Tom WB5QYT

-----

Date: Tue, 8 Jul 1997 17:28:04 +0000

From: Sandy W5TVW <ebjr@worldnet.att.net>  
To: qrp-1@Lehigh.EDU  
Subject: [22715] RE: ICM7216D  
Message-ID: <19970708172802.AAA23202@LOCALNAME>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Many thanks to all the gang for all the suggestions!  
Optoelectronics wanted  
\$50 a copy for these! I thought that was way too steep! Best price I found was from Newark via their website (newark.com). They have them for \$24 and change each. I need two of them to get some counters going that are kaput.

I didn't know that INTERSIL had been taken over by Harris! Jeese, nothing stays the same anymore, does it? All my old reliables: National, Millen, Johnson, Stancor, UTC, J.W.Miller, Bud, Allen-Bradley, Centralab, Amphenol, RCA, EIMAC...etc have either trimmed to the bone or shut down! Ain't many good US parts suppliers anymore. (ZIP if you are into old boat anchor radios like I am!....I can't convince my XYL that's why I need to keep all those old "junk" parts around! They ain't making them anymore!)

73,  
E. V. Sandy Blaize, W5TVW  
"Boat Anchors collected, restored, repaired, traded and used!"  
417 Ridgewood Drive,  
Metairie, LA., 70001  
ebjr@worldnet.att.net  
\*\*Looking for: 860 tubes, WL-460 tubes\*\*  
\*\*RK-34(VT-224) tubes, Butternut HF2V antenna\*\*\*

-----  
Date: Tue, 8 Jul 97 17:44:20 UT  
From: "Ed Manuel" <n5em-qrp@msn.com>  
To: MNHopkins@aol.com  
Cc: "QRP-L Remailer" <qrp-1@Lehigh.EDU>  
Subject: [22716] RE: Pixie, Thoreau, QRO  
Message-ID: <UPMAIL15.199707081748480270@msn.com>

The problem I have with ERP is that for almost everyone, measuring the gain at a cardinal direction of an antenna is nearly impossible. We have a good idea what it might be, we have modeling software that will lie to us according to how we mislead it, but we really can't nail down that for a specific direction, you have x.xx dB. of gain or loss to factor in with your power, which you CAN precisely measure.

Suppose we use 2.1 dB. gain for a dipole over isotropic. It's only that broadside to the dipole, and then only at certain heights, and it varies with ground conductivity as well as local obstructions like buildings and trees and the take-off angle.

On 2 meters, this is not really a problem because we can put an antenna on a range and do some pretty good measurements of the gain at all points around the compass. You still have to factor in height, ground, obstructions.

So, philosophically, I have no problem talking equal signals counting antenna gain or loss, but from a practical situation, it just isn't practical to do it - that is, if we assume the goal is to operate and not to spend our life crunching numbers for every single QSO we have.

Just think, you work a DX contest. You make 100 QSOs. You moved the 3 element yagi 15 times (God help you if you changed bands, too.). You wrote the beam heading down in the log (new column you added, of course). Now you go back and calculate the bearing to each station you worked, calculate the offset from beam heading for the antenna, factor in the gain/loss compared to isotropic (or a dipole) for the given offset to that station (you can't move it and peak it for every single QSO), apply the transmitter power to arrive at ERP. Assuming that you had previously set TPO to give 5 watts ERP at the main beam heading, you've probably worked some folks at QRPP levels of .1 watt or less (-20 or 30 dB front to side loss). This should make you feel good about some of this anyway.

While this may appeal to the data gatherers and crunchers in the crowd (you know who you are, Chuck :-), I think most of us would rather pass.

Ed Manuel, N5EM  
QRP in some direction anyway.

Subject: Pixie, Thoreau, QRO

Could our next conceptual hurdle be Effective Radiated Power?  
Do we really think 4.5 W to a 5-wavelength vee is QRP within the doctrinaire 5W out definition?

ab5l, QRP ARCI #4400,  
G-QRP #669

-----

Date: Tue, 8 Jul 1997 11:49:18 +0000  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: n4so@juno.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [22717] Re: Belgium made Velleman-Kits  
Message-ID: <199707081751.LAA05893@lynx.csn.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

>>from 5 -35vdc. The company is: Tech America P O Box 1981  
Forth Worth, TX 76101 1-800-877-0072 The company sells  
<<

If this is the same Tech America that is opening a storefront in  
Denver (and the Ft Worth address would seem to indicate that it is),  
it's Tandy! They are evidently attempting to get back into the  
"real" electronics business.

73  
Marshall Emm  
AA0XI/VK5FN  
aa0xi@mtechnologies.com  
<http://www.mtechnologies.com/mthome>

-----  
Date: Tue, 8 Jul 1997 13:07:10 (-050  
From: "Dean T. Miller" <dtmiller@dsmnet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [22718] RE: "Renewal" batteries  
Message-ID: <199707081807.NAA10394@dsm7.dsmnet.com>

Hi Sandy,

> From: Sandy W5TVW <ebjr@worldnet.att.net>  
  
> My experience with "Renewal" batteries is a mixed bag. Some have  
> given good  
> service, others weren't worth a damn. They seem to be very "non uniform"!  
> My question has always been:  
> 1.) Does one discharge them say to 1 v. then recharge?  
> 2.) Does one recharge even on a very shallow discharge?  
> 3.) Does one discharge them deeply and recharge?

When I first started using Renewals, I would use them until they dropped.

That appears not the best way to use them. These days I use them until the performance of the device they're in 'seems' to be a little off, then I switch batteries and recharge the used ones.

I guess the batteries are (maybe) 1/2 discharged when I dump them in the charger.

I use the Renewals for everything possible (except the kids portables -- they tend to lose the batteries). I also replace NiCads with Renewals (higher voltage).

-- Dean -- from Des Moines (KB0ZDF)

-----  
Date: Tue, 8 Jul 1997 11:24:26 -0700 (PDT)  
From: Alan Kaul <kaul@netcom.com>  
To: qrp-1@Lehigh.EDU  
Subject: [22719] Attending Norcal July meeting  
Message-ID: <Pine.3.89.9707081035.A7640-0100000@netcom2>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Just a short note to say thanks to all who made the Norcal July meeting an interesting gathering. I didn't bring anything to show-and-tell but I had a great time anyway, seeing a lot of rigs (an absolute proliferation of SST's, a modified Cascade, a 38S, the SLV/MMA, phasing switches, etc.). And an especially great time meeting some of the names and faces that belong to the e-mails I've been reading for almost 4-years here on the list....I had met Ori and Doug before, but was able to make ''first eyeball'' QSO's with Jim, Stan, Bob and Bob, Mike, Vern, Roy, Jerry and others. It was a terrific way to spend a couple of Sunday hours. I'd highly recommend it for anyone within driving distance of California Burger (385 miles from my home QTH but only 75 miles from the vacation hotel room).

I came away -- to say the least -- with a great dose of enthusiasm. What a way to charge one's batteries!!! And now I can hardly to get back home and get started on the next project.

Best 73/72 to all of you...and thanks, again.

de alan, w6rc1

(home QTH: LaCanada, CA, also geographic home to JPL and those wonderful MARS PHOTOS <<even though Pasadena gets the newspaper dateline because because it is nearby and it's Post Office is so-o-o-o-o much larger



and better able to handle JPL's mail needs!!>>

[<Alan Kaul, W6RCL>] kaul@netcom.com

-----  
Date: 8 Jul 97 14:18:00 -0400  
From: jfitton@lucent.com  
To: qrp-1@Lehigh.EDU  
Cc: jfitton@lucent.com (James M Fitton)  
Subject: [22720] Hamstick mobile  
Message-ID: <199707081824.0AA04856@emsr1.emsr.lucent.com>  
Content-Type: text

Im looking for an easier way to resonate a Hamstick  
magmounted on a vehicle, with access only at the  
(far) end of the attached coaxial cable ? 20m version

Avail. tools :

GDO (Grid Dip Meter), Noise bridge,  
Autek RF-1 antenna analyser, SWR meter,  
Freq. counter, and a Field strength meter.

Old method:

Dip the antenna (stinger position) to resonance with the GDO.  
Verify GDO freq. with the counter  
Install a simple antenna tuner (ATU) & rig  
Tune ATU for minimum SWR

Optional:

Add radials  
Re-Tune for minimum SWR with rig

Problem:

The above worked fine for the 40m version but took a long time to do.  
I thought with the RF-1, it would be simplified, but measuring from  
the end of the coax cable, I dont know how to use the instrument.

Any ideas ?

W1FMR

-----  
Date: Tue, 08 Jul 1997 11:26:53 -0700  
From: Ed Loranger <we6w@qsl.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [22721] Re: MI-QRP 4th of July Sprint Logs  
Message-ID: <33C2866D.4BD7@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

My previous report should have been titled:  
Spartan Sprint, First Monday of each month.  
I inadvertently used someone else's subject line.

Sorry for Confusion.

But my 4th of July MI-QRP log Is similar to the Spartan Sprint,  
I only operated about 10 minutes due to family police.

Here's the actual MI-QRP, 4th of July results for me, we6w:

| Freq  | DATE/Time | STATION | SENT      | RCVD      |
|-------|-----------|---------|-----------|-----------|
| 14060 | 7/5 0025Z | K5NZ    | 559 CA 2W | 559 5W    |
| 14065 | 7/5 0132Z | w5VBO   | 559 CA 2W | 559 AZ 5W |

Sri for error!  
Need more sprints, but different names :)  
-Ed Loranger  
--

72/73 de we6w, Ed Loranger CW ONLY!  
WEB:<http://www.qsl.net/we6w> MAIL:<mailto:we6w@qsl.net>  
HW-8, OHR-100, JV-II w/vfo, pixie2, Phased Verticals Southeast.

-----  
Date: Tue, 8 Jul 1997 14:28:36 -0400  
From: "Dave Maliniak" <dmaliniak@penton.com>  
To: dtmiller@dsmnet.com  
Cc: Qrp-L@Lehigh.EDU  
Subject: [22722] RE: "Renewal" batteries  
Message-ID: <852564CE.00654F34.00@mail.penton.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Dean and all:

To echo what's already been noted, Renewal batteries are at their best when NOT cycled deeply and given frequent top-off recharges. Engineers from Rayovac stated in a presentation a year ago at Wescon (an OEM electronics trade show) that you can in fact expect \*thousands\* of short-discharge cycles from Renewal batteries. Deep-discharging them can have the reverse effect of shortening their life expectancy.

72 David N2SMH  
Glen Rock, NJ

-----  
Date: Tue, 08 Jul 1997 11:30:55 -0700  
From: Bill Jones <kd7s@psnw.com>  
To: qrp-l@Lehigh.EDU  
Subject: [22723] Homebrew Plastic Enclosures  
Message-ID: <33C2875F.385A@psnw.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Friends

As many of you know, I have been building my own enclosures for QRP projects for several years. I am to the point where I would like to get a little more sophisticated than simply bonding pieces of ABS together to form a box. Does anyone on the list work in the plastics industry that can point me to some reading material or websites that will take me beyond the neophyte stage? I'm particularly interested in hand-forming and/or molding without investing a small fortune in equipment. This is strictly for do-it-yourself projects.

-----  
Date: Tue, 8 Jul 1997 11:13:40 -0700 (PDT)  
From: Bradley Mitchell <wb8ygg@rocketmail.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [22724] Re: Belgium made Velleman-Kits  
Message-ID: <19970708181340.9137.rocketmail@send1.rocketmail.com>

MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

That's probably good news.  
I went to the web site, and a HAM is vice president of Marketing.  
They have a free catalog available via the web.  
cool!  
<http://www.techam.com/>  
73 Brad WB8YGG

---Marshall Emm wrote:

>  
> If this is the same Tech America that is opening a storefront in  
> Denver (and the Ft Worth address would seem to indicate that it is),  
> it's Tandy! They are evidently attempting to get back into the  
> "real" electronics business.

-----  
Sent by RocketMail. Get your free e-mail at <http://www.rocketmail.com>

-----  
Date: Tue, 8 Jul 1997 11:37:40 -0700 (PDT)  
From: Jim W7LS <[w7ls@brigadoon.com](mailto:w7ls@brigadoon.com)>  
To: [qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)  
Subject: [22725] vfo for Pixie 2??  
Message-ID: <199707081837.LAA03228@siskiyou.brigadoon.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi, gang. I am looking for a vfo mod for the Pixie 2. Anyone know of one?  
Tnx/73 de Jim, W7LS

-----  
Date: Tue, 8 Jul 1997 13:33:20 -0500 (CDT)  
From: Raventhorne <[jellder@ix.netcom.com](mailto:jellder@ix.netcom.com)>  
To: [dehager@ix.netcom.com](mailto:dehager@ix.netcom.com), "Low Power Amateur Radio Discussion" <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>  
Subject: [22726] Re: Micronaut and K8IDN's new receiver  
Message-ID: <2.2.16.19970708113256.2957e2a4@popd.ix.netcom.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 07:45 PM 6/22/1997 -0700, Dana E Hager wrote:

>In the July 97' issue of CQ (page 56), Dave Ingram has a small note and  
>photo of a tiny 7040kHz receiver using a 602 and LM380 plus 17 other  
>parts. The cost of this little gem is \$18 postpaid. Has any one been  
>using one of these receivers yet. I would like to hear some more info  
>on both the Micronaut and the K8IDN's receiver.

My Mix40 is now complete and in a box. It puts out plenty of volume into my RS ear buds. I heard a few stations, but haven't been away from home (130kVA lines arcing away 40' from the antenna make my QTH an awful place to evaluate a receiver) to test it out yet. Draws about 20 mA when measured with 10 mA resolution @ 9 volts with no signal present.

Perhaps I'll have a chance to test it more fully later this week. Tuning range, sensitivity, selectivity, etc.

The Micronaut was an easy assembly. My son (9) and I built that one, too. I haven't done anything with it yet, and have no specs @ all.

72,

John

@~~~

@ John Elder, Ko6TS

@ PHROG (Pagan Ham Radio Operators' Guild)

@ Box 232, El Segundo, CA 90245

@ Mike Tyson shouldn't have started his apology speech with:

@ "Friends, countrymen, lend me your ears . . ."

-----  
Date: Tue, 8 Jul 1997 11:45:44 -0700 (PDT)

From: Kory Hamzeh <kory@avatar.com>

To: Marshall Emm <mgemm@ntechnologies.com>

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [22727] Re: Belgium made Velleman-Kits

Message-ID: <Pine.BSI.3.91.970708114501.122A-100000@avatar.avatar.com>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

It is Tandy. If you look at the copyright notice on their web page, it is copyrighted by Tandy.

On Tue, 8 Jul 1997, Marshall Emm wrote:

> >>from 5 -35vdc. The company is: Tech America P O Box 1981  
> Forth Worth, TX 76101 1-800-877-0072 The company sells  
> <<  
>  
> If this is the same Tech America that is opening a storefront in  
> Denver (and the Ft Worth address would seem to indicate that it is),  
> it's Tandy! They are evidently attempting to get back into the  
> "real" electronics business.  
>  
>  
> 73  
> Marshall Emm

-----  
Date: Tue, 8 Jul 1997 13:49:30 -0500  
From: launerb@crl.com (William H. Launer)  
To: qrp-l@Lehigh.EDU  
Subject: [22728] Re: Pixie, Thoreau, QRO  
Message-ID: <v01530502afe81a577945@[192.0.2.1]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

A candle radiates light poorly in all directions (except where it's shadowed by the candle itself). If I put a mirror behind it, I can direct more of the light in the direction in which I want to see. I'm still using the same amount of burning wax (power); I just improved the "antenna" (which is a "passive" element).

We can't all have the antennas we would like (covenants, space, \$, etc), but that fellow who has the better antenna can also better receive our tiny signals from our less than ideal antennas.

On the receiving end, do I have to quit using my SP-600 receiver, and start using a single chip, "broad as a barn" direct conversion receiver to level the qrp playing field? I think not! Simple equipment has it's place - backpacking trips, etc. - but the bulk of our qrp operating is from our homes, where space/weight of our equipment usually isn't a real limitation.

Our self-imposed challenge is to develop the qrp operating skills and techniques that work for us; let's keep the definition of qrp simple, and leave the bureaucracy to the government where it belongs!

It's a hobby, enjoy it!

72/73 Bill wb0cld

Bill Launer  
St. Charles, MO  
launerb@crl.com  
wb0cld@wb0cld.ampr.org [44.46.66.25]  
qrp-1 #279            qrp arci #3551  
Grid Square EM48RT

-----  
Date: Tue, 8 Jul 1997 13:39:44 -0500  
From: "Bruce Barley" <lbbarley@feist.com>  
To: <n4so@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [22729] Re: Belgium made Velleman-Kits  
Message-ID: <199707081854.NAA17285@wichita.fn.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Yea, Thus and Verily - I say to you ....

It IS Tandy, and they ARE trying to get Hams, Techies, and experimenters back as customers. My copy of the catalog arrived here in Wichita, yesterday (Monday), also. So I expect that their internal mailing list generated the initial list of catalog recipients and a mass mailing went out last week.

Look inside about page 3, and at the top of the page it says, "As a subsidiary of Tandy Corp. ..."

The catalog has a cover list price of \$2.95, so don't know if everyone is going to get a copy, but I must say (from personal experience) that this catalog is VERY well done. It can almost be used as a electronics textbook... more than the usual specs given on small parts and it is full color on good quality paper (slick) with excellent photographs. Somebody went to extreme lengths to get this puppy put together and published and distributed. 323 pages of good reference info. Plus - NO MINIMUM ORDER

requirements and a decent \$4.00 min s/h.

A quick scan of the catalog - no variable caps... no silver mica caps... no torroids... no RF inductors...

no crystals...no non-inductive resistors... no transistors... But, then again we qrp types do have special requirements for care and feeding!

Usual disclaimers apply - I just wanted to get in my \$.02. If someone places an order, why not give a quick posting to the group and let us know if it all arrived OK, and how long it took to get there?

Bruce Barley KB0PZD qrp-l #69  
lbbarley@feist.com

-----

> From: n4so@juno.com  
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
> Subject: Belgium made Velleman-Kits  
> Date: Monday, July 07, 1997 7:58 PM  
>  
> Received a catalog in the mail Saturday selling

<SNIP>

> The company is:  
> Tech America  
> P O Box 1981  
> Forth Worth, TX 76101  
> 1-800-877-0072

<SNIP>

> Ken Brown , N4SO  
> QTH: Nr Mobile, AL  
> QRP-L #622  
> n4so@juno.com  
>

-----

Date: Tue, 08 Jul 1997 12:22:36 -0700  
From: Ed Loranger <we6w@qsl.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [22730] Re: Belgium made Velleman-Kits  
Message-ID: <33C2937C.7479@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii



Content-Transfer-Encoding: 7bit

Kory Hamzeh wrote:

>

> It is Tandy. If you look at the copyright notice on their web page, it is  
> copyrighted by Tandy.

This is so exciting. Even if it were Wal-Mart!

Oh, My birthday is this Saturday, all I want is  
a SONY ICF-6700W General Coverage receiver.

Still not over the one stolen from my house on  
March 15th, 1981. The day my oldest son was born.

You'll have to QSO for my age!

-Ed

--

72/73 de we6w, Ed Loranger CW ONLY!

WEB:<http://www.qsl.net/we6w> MAIL:<mailto:we6w@qsl.net>

HW-8, OHR-100, JV-II w/vfo, pixie2, Phased Verticals Southeast.

-----

Date: Tue, 8 Jul 1997 15:12:39 -0400

From: Scott Cranston <[cranston@zk3.dec.com](mailto:cranston@zk3.dec.com)>

To: [kory@avatar.com](mailto:kory@avatar.com), [qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)

Subject: [22731] Re: Belgium made Velleman-Kits

Message-ID: <9707081912.AA25479@alpha.zk3.dec.com>

see: [www.techam.com](http://www.techam.com)

Scott

KB1NW

-----

Date: Tue, 08 Jul 1997 13:29:31 -0600

From: Niel Skousen <[nskousen@scientechnology.com](mailto:nskousen@scientechnology.com)>

To: [qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)

Subject: [22732] INFO: 6m J w/ 300 twinlead

Message-ID: <3.0.2.32.19970708132931.006aed48@eaglerock.if.scientechnology.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Looking for dimensions on a 6m J-pole out of 300 twinlead, anybody got it handy ? I can scale dimensions from 2m stuff, but thought I'd see if anyone had it ...

TNX Niel

-----  
Date: Tue, 8 Jul 1997 12:39:41 -0700 (MST)  
From: Joe Gervais <vole@primenet.com>  
To: qrp-1@Lehigh.EDU  
Subject: [22733] Re: Belgium made Velleman-Kits  
Message-ID: <199707081939.MAA21884@usr08.primenet.com>

Bruce (KB0PZD) wrote:

> Look inside about page 3, and at the top of the page it says, "As a  
> subsidiary of Tandy Corp. ..."  
> ...  
> A quick scan of the catalog - no variable caps... no silver mica caps... no  
> torroids... no RF inductors... no crystals...no non-inductive resistors...  
> no transistors...

Errr.... So what's left to sell? :) Anything of general  
interest to us humble hobbyists? This is starting to sound  
like the Monty Python Cheese Shop comedy sketch.

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"I see... This IS a cheese shop, is it?"  
"Yes sir, finest in the district."  
"And how, pray tell, did you come to that conclusion?"  
"Well, it's very clean, sir."  
"It's certainly uncontaminated by cheese."

-----  
Date: Tue, 08 Jul 1997 12:56:42 -0700  
From: Ed Loranger <we6w@qsl.net>  
To: nskousen@scientech.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [22734] Re: INFO: 6m J w/ 300 twinlead

Message-ID: <33C29B7A.6C91@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Oh My goodness! Just finished looking at a webpage where you  
roll your own. Enter the Frequency and there you go!

<http://home.earthlink.net/~aschmitz/antennas/jpolecalc.html>

Have fun!  
-Ed

--  
72/73 de we6w, Ed Loranger CW ONLY!  
WEB:<http://www.qsl.net/we6w> MAIL:mailto:we6w@qsl.net  
HW-8, OHR-100, JV-II w/vfo, pixie2, Phased Verticals Southeast.

-----  
Date: Tue, 08 Jul 1997 14:05:46 MST  
From: Mike Robinson <miker@comlinear.nsc.com>  
To: qrp-l@Lehigh.EDU  
Subject: [22735] Kent Twin Paddles kit  
Message-ID: <199707082105.0AA22572@gecko.nsc.com>

I received my kit yesterday.

It took about 20 minutes to assemble, including  
inventory and fending off my 2 1/2 year old.

QSO'd with it this morning. Very Nice.

Solid, pretty, clean.

\$100 including shipping is worth it.

=====

|                          |                                                                         |
|--------------------------|-------------------------------------------------------------------------|
| 73 Michael N7MR          | <a href="http://www.frii.com/~michael">http://www.frii.com/~michael</a> |
| Michael.Robinson@nsc.com | michael@frii.com                                                        |
| QRP-L #126               | Norcal #857 CQC #180                                                    |

=====

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Date: Tue, 8 Jul 97 17:13:42 EDT  
From: Joel Malman <malman@BBN.COM>  
To: qrp-l@Lehigh.EDU  
Subject: [22736] 10m J-POLE  
Message-ID: <199707082113.RAA39837@nss2.CC.Lehigh.EDU>

Hummm, 6 meter J-Pole.... Got me thinking (that's trouble), but did anyone ever model a 10 Meter J-Pole 'vertical' build with RS 300 ohm twinlead, for portable use? Seems like it would not be to long and would work OK as a portable antenna for camping.

Now if only 10 meters would open up ...

/joel wa1qvm (malman@bbn.com ... Concord, Ma.)  
WIMPS: Qs=193 30m=174 17m=17 12m=01 States=26/04/00 DX=050/12/01

-----  
Date: Tue, 8 Jul 1997 17:23:34 -0400 (EDT)  
From: "J. Skalski" <jskalski@acsu.buffalo.edu>  
To: qrp-l@Lehigh.EDU  
Subject: [22737] FS teflon hookup wire  
Message-ID: <Pine.GS0.3.96.970708171129.666A-1000000@hercules.acsu.buffalo.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

BUILD SOMETHING!!!

Silver plated, stranded 22 AWG Teflon insulated hookup wire assortments.

Five rolls- 50 feet each (250' total) in five different colors.

This wire is used in military contracts due to its high quality, durability and overall high reliability. It is rated at 200dC and 600V. You can be sure that there is some on Mars right now. It is also found in the \*best\* equipment and kits.

It solders \*very\* nicely and it will not melt under ordinary soldering conditions. It is almost \*Badger Proof\*. (unlike cheaper grades of wire)

The 250' assortment pack is \$15 plus \$3 for priority 2 day mail in USA

If interested contact me by email to reserve a pack.

\*note larger quantities are available and trades are always welcome.

73,

Jim N2GO  
The Buffalo QRP CONNECTION  
ARCI #9013 QRP-L #381  
Life member ARRL  
jskalski@acsu.Buffalo.EDU

-----  
Date: Tue, 08 Jul 1997 17:48:59 -0400 (EDT)  
From: n4js@amsat.org  
To: qrp-l@Lehigh.EDU  
Subject: [22738] GD3VMW/p on 10.101  
Message-ID: <XFMail.970708175141.n4js@amsat.org>  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 8bit  
MIME-Version: 1.0

New WIMPS contact! GD3VMW (Isle of Man) is on 10.101 now (2145Z) 579 into NJ. A little pileup but came back second call to trusty OHR400. (OK, I'm bragging, so sue me!)

(BTW-Using dipole antenna, so "Pure" QRP ;-)

Sent at 17:51:41 on 08-Jul-97

John L. Sielke n4js@amsat.org n4js@pobox.com  
n4js@n4js.ampr.org NJ Grid:FM29LN  
http://www.qsl.net/n4js NJ-QRP #57 QRP-L #884  
QRP-ARCI #9328 CQC #443 CQrp #50  
NE-QRP #507 G-QRP #9544 NorCal #1989 QCWA FISTS #2781 ARS #243  
WIMPS Qs=027 30m=24 17m=3 12m=0 States=09/02/00 Countries=14/02/00

-----  
Date: Tue, 8 Jul 1997 15:21:16 -0700 (PDT)  
From: Monte Stark <ku7y@sage.dri.edu>  
To: n4js@amsat.org  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [22739] Re: GD3VMW/p on 10.101  
Message-ID: <Pine.SUN.3.90.970708151841.19113A-1000000@vortex>

MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 8 Jul 1997 n4js@amsat.org wrote:

> (BTW-Using dipole antenna, so "Pure" QRP ;-)

Oh, I don't know about that. After all, a dipole does have  
some gain! :-)

BTW.....Congratulations on the GD3!

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

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End of QRP-L Digest 781

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